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PERFORMANCE MONITORING SYSTEM SUMMARY OF LOCK
STATISTICS FOR APRIL - JUNE 1985(U) CORPS OF ENGINEERS
FORT BELVOIR VA WATER RESOURCES SUPPORT CENTER
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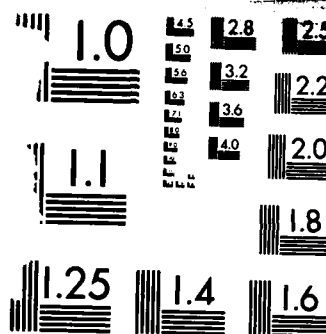
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US Army Corps
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Engineer Institute for
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AD-A165 637

Performance Monitoring System : Summary of Lock Statistics for April - June 1985

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Summary Report 85-SR-6

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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) lock Performance Monitoring System PMS statistics		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Lock Performance Monitoring data are collected at Corps locks by lock operators from observation and information provided by waterway operators. This quarterly summary is an overview of the collected statistics.		

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**PERFORMANCE MONITORING SYSTEM
SUMMARY OF LOCK STATISTICS
APRIL 1985 - JUNE 1985**

U.S. Army Corps of Engineers
Water Resources Support Center
Institute for Water Resources
Ft. Belvoir, Virginia 22060

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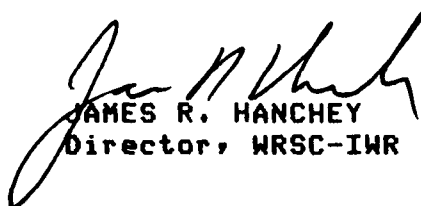
Summary Report 85-SR-6

PREFACE

This report is a product of the Navigation Data Management and Applications Branch of the U. S. Army Engineer Institute for Water Resources (WRSC-IWR). The information is compiled from statistics collected at the Corps locks in support of the lock Performance Monitoring System (PMS).

The study is managed by Miss Julie A. Oweis under the supervision of Mr. Francis M. Sharp, Chief of the WRSC-IWR Navigation Data Management and Applications Branch, and Dr. Lloyd G. Antler, Chief of the WRSC-IWR Navigation Division. The Office of the Chief of Engineers (OCE) sponsors are Mr. Robert Schmitt, DAEN-CWO-M, and Mr. Robert M. Daniel, DAEN-CWP-G.

Requests to update or change the distribution, comments and questions can be directed to Frank Sharp (202-355-3083) or Robert Baldwin (202-653-1007). The information is produced and distributed quarterly.



JAMES R. HANCHEY
Director, WRSC-IWR

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Introduction

The lock Performance Monitoring System (PMS) is a part of the Inland Navigation Systems Analysis (INSA) program and encompasses the collection, editing, maintenance and analysis of data collected at all Corps-owned and operated locks. The data have been collected since March of 1975 and consist of information describing the traffic through the locks as well as the physical aspects of lockages. The quarterly summary of selected statistics presented in the appendix provides an overview of the traffic and operation at each lock. The quarterly report is presented as a set of three tables for each Corps District. Information reported for each lock and chamber include:

Table is provided in the report.

TABLE 1. A listing providing the name of the lock, the river on which the lock is and its dimensions; In those cases where there is no quarterly information, this table will be the only display for the district.

TABLE 2. A table providing, by direction and total, the number of tows, commercial vessels other than tows, recreational vessels, barges (empty and loaded), commercial lockages, recreational lockages and tonnage,

TABLE 3. A summary of approach, entry, chambering and exit times (maximum, minimum and average) and the number of delays, total delay time, maximum delay time and average delay time.

Although the summary information will be computed and displayed for chambers at which there is data for only one or two months of the quarter, the fact is noted on the report.

APPENDIX A

PAGE 1

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EPOC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
B2	NEW ORLEANS	LOWER MISS VALLEY	4/85	5/85	6/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
ATCHAFALAYA RIVER	11-BERWICK LOCK	0307/0045/ 11.0
BAYOU TECHE	31-KEYSTONE LOCK	0162/0036/ 12.0
FRESHWATER BAYOU	41-FRESHWATER BAYOU LOCK	0600/0084/ 15.0
GULF INTRACOASTAL	01-PORT ALLEN LOCK	1198/0084/ 15.0
	02-BAYOU SORREL LOCK	0800/0056/ 16.0
	03-INNER HRBR NAVIGATION CANL LK	0646/0075/ 40.0
	04-ALGIERS LOCK	0797/0075/ 15.0
	05-HARVEY LOCK	0425/0075/ 14.0
	06-BAYOU BOEUF LOCK	1158/0075/ 15.0
	07-VERMILLION LOCK	1200/0056/ 14.0
	08-CALCASIEU LOCK	1205/0075/ 15.0
	21-SCHOONER BAYOU CONTROL STRUCT	9999/0075/ 14.0
	22-CATFISH POINT CONTROL STRUCT	9999/0056/ 16.0
	23-CALCASIEU SALT WATER BARRIER	9999/0056/ 15.0
OLD RIVER	51-OLD RIVER LOCK	1200/0075/ 15.0

NO DATA RECORDED ON SUMMRY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

PAGE 3

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
B3	ST LOUIS	LOWER MISS VALLEY	4/85	5/85	6/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
KASKASKIA RIVER	01-KASKASKIA RIVER NAVIGATION LK	0610/0084/ 12.0
MISSISSIPPI RIVER	24-LOCK & DAM 24	0610/0110/ 12.0
	25-LOCK & DAM 25	0610/0110/ 12.0
	26-LOCK & DAM 26	0610/0110/ 12.0
	26-LOCK & DAM 26 AUX 1	0380/0110/ 12.0
	27-CHAIN OF ROCKS LOCK & DAM 27	1210/0110/ 12.0
	27-CHAIN OF ROCKS LK & DM 27 AX1	0610/0110/ 12.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EPOC 82	DISTRICT NAME ST. LOUIS	DIVISION NAME LOWER MISS VALLEY	MONTHS REPORTED										
			4/85			5/85			6/85				
RIVER/LOCK NAME		TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGE EMPTY	BARGE FULL	BARGE TOTAL	LOCKES COMMER	LOCKES RECRTN	LOCKES OTHER	LOCKES TOTAL	TONNAGE (KTONS)
KASHASKIA RIVER													
KASHASKIA RIVER NAVIGATION LK		***											
UPBOUND STATISTICS		212	357	71	640	650	152	802	284	169	1	454	143
DNBOUND STATISTICS		202	333	81	616	120	667	787	284	164	1	449	941
TOTAL		414	690	152	1256	770	819	1589	568	333	2	903	1684
MISSISSIPPI RIVER													
LOCK & DAM 24		***											
UPBOUND STATISTICS		413	153	3	574	3071	1979	5050	676	135	19	830	2911
DNBOUND STATISTICS		409	141	10	560	211	4355	4567	662	120	20	802	6182
TOTAL		822	294	18	1134	3283	6334	9617	1338	255	39	1632	9094
LOCK & DAM 25		***											
UPBOUND STATISTICS		410	365	35	810	3033	1989	5022	663	222	18	903	2925
DNBOUND STATISTICS		412	339	39	790	213	4385	4598	654	191	19	864	6223
TOTAL		822	704	74	1600	3246	6374	9620	1317	413	37	1767	9148
LOCK & DAM 26		***											
UPBOUND STATISTICS		664	11	13	688	4692	3308	8000	1175	7	8	1190	4967
DNBOUND STATISTICS		700	6	7	713	610	7312	7922	1224	5	6	1235	10408
TOTAL		1364	17	20	1401	5302	10620	15922	2399	12	14	2425	15376
LOCK & DAM 26 AUX 1		***											
UPBOUND STATISTICS		257	222	105	594	384	326	710	452	122	18	592	581
DNBOUND STATISTICS		257	211	109	577	272	492	764	459	122	16	597	776
TOTAL		524	433	214	1171	656	818	1474	911	244	34	1189	1358

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC B3	DISTRICT NAME ST LOUIS	DIVISION NAME LOWER MISS VALLEY	MONTHS REPORTED											
			4/85			5/85			6/85					
RIVER/LOCK NAME		TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)	
														(NAV, OPN, ETC)
MISSISSIPPI RIVER														
CHAIN OF ROCKS LOCK & DAM 27		xxx												
UPBOUND STATISTICS		1148	140	176	1464	5682	3937	9619	1160	50	33	1243	5996	
DNBOUND STATISTICS		1172	112	164	1448	1010	8601	9611	1190	43	31	1264	12705	
TOTAL		2320	252	340	2912	6692	12538	19230	2350	93	64	2507	18701	
CHAIN OF ROCKS LK & DM 27 AX1		xxx												
UPBOUND STATISTICS		0	0	0	0	0	0	0	0	0	0	0	0	
DNBOUND STATISTICS		0	5	0	5	0	0	0	0	3	0	3	0	
TOTAL		0	5	0	5	0	0	0	0	3	0	3	0	

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROG R3	DISTRICT NAME			DIVISION NAME										MONTHS REPORTED					
	ST LOUIS			LOWER MISS VALLEY										4/85		5/85		6/85	
													:	DELAYED	DELAY	DELAY	DELAY		
APPROACH				ENTRY			CHAMBER			EXIT			:	VESSELS	TIME	AVG	MAX		
MIN AVG MAX				:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	TOWS	TOWS	(ALL VSLS)
KASKASKIA RIVER																			
KASKASKIA RIVER NAVIGATION L	1	4	25	:	1	3	30	:	5	8	35	:	1	3	25	:	31	313	0.7 78
MISSISSIPPI RIVER																			
LOCK & DAM 24	1	9	128	:	1	8	41	:	4	8	59	:	1	15	50	:	546	62035	75.4 594
LOCK & DAM 25	1	8	93	:	1	7	33	:	4	7	30	:	1	13	51	:	814	76308	92.8 627
LOCK & DAM 26	1	5	440	:	1	9	53	:	2	11	60	:	1	12	74	:	1364	325350	238.5 2519
LOCK & DAM 26 AUX 1	1	5	65	:	1	4	56	:	4	10	39	:	1	7	110	:	518	28956	55.2 2554
CHAIN OF ROCKS LOCK & DAM 27	1	7	46	:	1	6	28	:	5	11	58	:	1	6	25	:	1845	155799	67.1 1640
CHAIN OF ROCKS LR & DM 27 AX	1	1	2	:	1	1	3	:	9	10	12	:	1	1	1	:	0	0	0.0 0

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
B4	VICKSBURG	LOWER MISS VALLEY	4/85	5/85	6/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
OUCHITA/BLACK RIV	01-JONESVILLE LOCK & DAM	0600/0084/ 23.0
	02-COLUMBIA LOCK & DAM	0600/0084/ 27.0
	03-FELSENTHAL LOCK & DAM	0600/0084/ 11.0
	04-CALION LOCK & DAM	0600/0084/ 11.0
	06-LOCK & DAM 6	0268/0055/ 17.0
	08-LOCK & DAM 8	0268/0055/ 19.0
RED RIVER	41-RED RIVER LOCK & DAM #1	0685/0084/ 9.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC B4	DISTRICT NAME VICKSBURG	INSTITUTE FOR WATER RESOURCES					MONTHS REPORTED					
		DIVISION NAME LOWER MISS VALLEY					4/85		5/85		6/85	
RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
		(NAV, OPN, ETC)										
RED RIVER												
LOCK & DAM 8	xxx	NO DATA RECORDED FOR THIS LOCK										
RED RIVER LOCK & DAM #1	xxx											
UPBOUND STATISTICS	193	1	43	237	10	466	476	228	1	7	236	590
DNBOUND STATISTICS	170	9	69	248	458	12	470	233	5	10	248	7
TOTAL	363	10	112	485	468	478	946	461	6	17	484	597

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC B4	DISTRICT NAME VICKSBURG	DIVISION NAME LOWER MISS VALLEY	INSTITUTE FOR WATER RESOURCES												MONTHS REPORTED					
															4/85		5/85		6/85	
												LOCK PROCESSING TIME (MIN.)				:	DELAYED	DELAY	DELAY	DELAY
												ENTRY				:	VESSELS	TIME	AVG	MAX
												CHAMBER				:				
												EXIT				:				
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TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED
E3	NEW YORK	NORTH ATLANTIC	4/85 5/85 6/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
HUDSON RIVER	01-TROY LOCK & DAM	0493/0044/ 15.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC E3	DISTRICT NAME	DIVISION NAME						MONTHS REPORTED					
	NEW YORK	NORTH ATLANTIC						4/85			5/85		
RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE	
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	(KTONS)	
		(NAV, OPN, ETC)											
HUDSON RIVER													
TROY LOCK & DAM	xxx												
UPBOUND STATISTICS	33	765	1	799	4	35	39	28	478	34	540	64	
DNBOUND STATISTICS	27	422	4	453	26	1	27	33	268	40	341	0	
TOTAL	60	1187	5	1252	30	36	66	61	746	74	881	64	

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
E3	NEW YORK	NORTH ATLANTIC	4/85	5/85	6/85
<div> <div> <div>LOCK PROCESSING TIME (MIN.)</div> <div> <div>APPROACH</div> <div>ENTRY</div> <div>CHAMBER</div> <div>EXIT</div> </div> </div> <div> <div>MIN</div> <div>AVG</div> <div>MAX</div> </div> <div> <div>MIN</div> <div>AVG</div> <div>MAX</div> </div> <div> <div>MIN</div> <div>AVG</div> <div>MAX</div> </div> <div> <div>MIN</div> <div>AVG</div> <div>MAX</div> </div> <div> <div>MIN</div> <div>AVG</div> <div>MAX</div> </div> </div>					

: DELAYED

: VESSELS

DELAY

TIME

TOWS

DELAY

AVG

TOWS

DELAY

MAX

(ALL VSLS)

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
E4	NORFOLK	NORTH ATLANTIC	4/85	5/85	6/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
ATLANT INTRACOASTAL	11-GREAT BRIDGE GUARD LOCK	0530/0072/ 12.0
DISMAL SWAMP	01-DEEP CREEK LOCK	0300/0052/ 6.0
	02-SOUTH MILLS LOCK	0300/0052/ 6.0

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
F1	BUFFALO	NORTH CENTRAL	4/85	5/85	6/85

RIVER	LCODE-LOCK NAME	LEN/WID DRAFT (FT/FT/FT)
BLK ROCK CH/TONAWANDA	01-BLACK ROCK LOCK	0650/0070/ 21.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC F1	DISTRICT NAME BUFFALO	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED											
			4/85			5/85			6/85					
RIVER/LOCK NAME		TONS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGS TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)	
														(NAV, OPN, ETC)
BLK ROCK CH/TONAWANDA														
BLACK ROCK LOCK		***												
UPBOUND STATISTICS		10	1416	7	1433	9	1	10	119	309	28	456	8	
DNBOUND STATISTICS		11	1182	1	1194	2	10	12	25	316	21	362	92	
TOTAL		21	2598	8	2627	11	11	22	144	625	49	818	101	

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

PAGE 18

EROC F1	DISTRICT NAME			DIVISION NAME									MONTHS REPORTED										
	BUFFALO			NORTH CENTRAL									4/85		5/85		6/85						
<hr/>																							
										LOCK PROCESSING TIME (MIN.)			:	DELAYED	DELAY	DELAY	DELAY						
APPROACH				ENTRY			CHAMBER			EXIT			:	VESSELS	TIME	AVG	MAX						
MIN		AVG		MAX		:	MIN	AVG		MAX		:	MIN	AVG		MAX		:	MIN	AVG		MAX	
<hr/>																							
BLK ROCK CH/TONAWANDA																							
BLACK ROCK LOCK																							
1		1		4		:	1	1		3		:	2	12		20		:	1	1		8	
						:						:						:	3	3		0.1	
						:						:						:				20	

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
F2	CHICAGO	NORTH CENTRAL	4/85	5/85	6/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
CHICAGO HARBOR	01-CHICAGO LOCK	0600/0080/ 21.0

NO DATA RECORDED ON SUMMARY FILE FOR THIS PERIOD

NO DATA RECORDED ON LOCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
F3	DETROIT	NORTH CENTRAL	4/85	5/85	6/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)	
FOX RIVER	11-DE PERE LOCK & DAM	0146/0036/ 6.0	
	12-LITTLE KAUKAUNA LOCK & DAM	0146/0036/ 6.0	
	13-RAPIDE CROCHE LOCK & DAM	0146/0036/ 6.0	
	21-KAUKAUNA LOCK 1	0144/0035/ 6.0	
	22-KAUKAUNA LOCK 2	0144/0035/ 6.0	
	23-KAUKAUNA LOCK 3	0144/0031/ 6.0	
	24-KAUKAUNA LOCK 4	0144/0037/ 6.0	
	25-KAUKAUNA LOCK 5	0144/0036/ 6.0	
	32-LITTLE CHUTE LOCK 2	0147/0035/ 6.0	
	33-LITTLE CHUTE COMB LOCKS UPPER	0144/0036/ 6.0	
	34-LITTLE CHUTE COMB LOCKS LOWER	0147/0035/ 6.0	
	35-CEDARS LOCK & DAM	0144/0035/ 6.0	
	41-APPLETON LOCK 1	0145/0034/ 6.0	
	42-APPLETON LOCK 2	0145/0035/ 6.0	
	43-APPLETON LOCK 3	0144/0035/ 6.0	
	44-APPLETON LOCK 4	0144/0035/ 6.0	
	51-MENASHA LOCK & DAM	0144/0034/ 6.0	
	THE INLAND ROUTE	61-ALANSON LOCK	0066/0018/ 7.0
	ST MARYS RIVER	01-MACARTHUR LOCK	0800/0080/ 31.0
02-NEW POE LOCK		1200/0110/ 32.0	
03-DAVIS LOCK00		1350/0090/ 23.0	
04-SABIN LOCK00		1350/0080/ 23.0	

NO DATA RECORDED ON SUMMRY FILE FOR THIS PERIOD
 NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED		
			4/85	5/85	6/85
RIVER	LCODE-LOCK NAME		LEN/WID/DRAFT (FT/FT/FT)		
ILLINOIS	01-THOMAS J O'BRIEN		1000/0110/	12.0	
	02-LOCKPORT LOCK		0600/0110/	12.0	
	03-BRANDON ROAD LOCK & DAM		0600/0110/	12.0	
	04-DRESDEN ISLAND LOCK & DAM		0600/0110/	12.0	
	05-MARSIELLES LOCK & DAM		0600/0110/	12.0	
	06-STARVED ROCK LOCK & DAM		0600/0110/	12.0	
	07-PEORIA LOCK & DAM		0600/0110/	12.0	
	08-LAGRANGE LOCK & DAM		0600/0110/	12.0	
MISSISSIPPI RIVER	11-LOCK & DAM 11		0600/0110/	10.0	
	12-LOCK & DAM 12		0600/0110/	10.0	
	13-LOCK & DAM 13		0600/0110/	10.0	
	14-LOCK & DAM 14		0600/0110/	10.0	
	14-LOCK & DAM 14 AUXILIARY 1		0320/0080/	10.0	
	15-LOCK & DAM 15		0600/0110/	10.0	
	15-LOCK & DAM 15 AUXILIARY 1		0360/0110/	10.0	
	16-LOCK & DAM 16		0600/0110/	10.0	
	17-LOCK & DAM 17		0600/0110/	10.0	
	18-LOCK & DAM 18		0600/0110/	10.0	
	19-LOCK & DAM 19		1200/0110/	10.0	
	19-LOCK & DAM 19 AUXILIARY 1		1350/0110/	10.0	
	20-LOCK & DAM 20		0600/0110/	10.0	
	21-LOCK & DAM 21		0600/0110/	10.0	
	22-LOCK & DAM 22		0600/0110/	10.0	

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND	DIVISION NAME NORTH CENTRAL					MONTHS REPORTED					
							4/85	5/85			6/85	
RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGS	LOCKGES	LOCKGES	LOCKGES	LOCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
ILLINOIS												
THOMAS J O'BRIEN	xxx											
UPBOUND STATISTICS	326	2829	51	3206	327	577	904	370	8-2	9	1241	846
DNBOUND STATISTICS	323	2156	63	2542	420	500	920	382	618	10	1010	785
TOTAL	649	4985	114	5748	747	1077	1824	752	1480	19	2251	1632
LOCKPORT LOCK	xxx											
UPBOUND STATISTICS	494	176	61	731	386	1962	2348	529	67	3	599	2858
DNBOUND STATISTICS	500	95	62	657	1546	803	2349	547	40	2	589	1231
TOTAL	994	271	123	1388	1932	2765	4697	1076	107	5	1188	4089
BRANDON ROAD LOCK & DAM	xxx											
UPBOUND STATISTICS	502	182	135	819	439	1978	2417	575	81	2	658	2907
DNBOUND STATISTICS	491	85	134	710	1490	870	2360	585	46	2	633	1326
TOTAL	993	267	269	1529	1929	2848	4777	1160	127	4	1291	4233
DRESDEN ISLAND LOCK & DAM	xxx											
UPBOUND STATISTICS	413	423	42	878	537	2072	2609	516	203	9	728	3079
DNBOUND STATISTICS	415	382	36	835	1480	1094	2574	521	175	8	704	1784
TOTAL	828	805	80	1713	2017	3166	5183	1037	378	17	1432	4864
MARSELLES LOCK & DAM	xxx											
UPBOUND STATISTICS	389	368	24	781	736	1923	2659	510	194	6	710	2976
DNBOUND STATISTICS	389	396	22	807	1261	1406	2667	515	194	9	716	2235
TOTAL	778	764	46	1588	1997	3329	5326	1025	388	15	1428	5212

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

PAGE 23

EROC F4	DISTRICT NAME ROCK ISLAND		DIVISION NAME NORTH CENTRAL					MONTHS REPORTED						
								4/85	5/85		6/85			
RIVER/LOCK NAME			TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
ILLINOIS														
STARVED ROCK LOCK & DAM			xxx											
	UPBOUND STATISTICS		401	375	20	796	952	1925	2877	543	166	5	714	2984
	DNBOUND STATISTICS		405	386	15	806	1228	1693	2921	554	179	9	742	2649
	TOTAL		806	761	35	1602	2180	3618	5798	1097	345	14	1456	5634
PEORIA LOCK & DAM			xxx											
	UPBOUND STATISTICS		430	337	32	799	1469	2147	3616	326	172	244	742	3362
	DNBOUND STATISTICS		449	319	20	788	1223	2572	3795	342	167	249	758	3797
	TOTAL		879	656	52	1587	2692	4719	7411	668	339	493	1500	7159
LAGRANGE LOCK & DAM			xxx											
	UPBOUND STATISTICS		399	368	12	779	1782	1601	3383	254	132	253	639	2609
	DNBOUND STATISTICS		418	348	15	781	628	3094	3722	264	132	273	669	4541
	TOTAL		817	716	27	1560	2410	4695	7105	518	264	526	1308	7151
MISSISSIPPI RIVER														
LOCK & DAM 11			xxx											
	UPBOUND STATISTICS		273	508	29	810	1793	1193	2986	406	353	6	765	1752
	DNBOUND STATISTICS		277	472	31	780	121	2610	2731	403	334	6	743	3764
	TOTAL		550	980	60	1590	1914	3803	5717	809	687	12	1508	5516
LOCK & DAM 12			xxx											
	UPBOUND STATISTICS		285	440	12	737	1924	1352	3276	430	318	5	753	1972
	DNBOUND STATISTICS		284	475	21	780	117	2894	3011	427	336	6	769	4126
	TOTAL		569	915	33	1517	2041	4246	6287	857	654	11	1522	6098

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND	DIVISION NAME NORTH CENTRAL						MONTHS REPORTED					
								4/85		5/85		6/85	
RIVER/LOCK NAME		TONS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGS TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)													
MISSISSIPPI RIVER													
LOCK & DAM 13		***											
UPBOUND STATISTICS		287	509	10	806	1946	1363	3309	435	301	7	743	2000
DNBOUND STATISTICS		284	496	19	799	124	2874	2998	438	254	4	696	4112
TOTAL		571	1005	29	1605	2070	4237	6307	873	555	11	1439	6113
LOCK & DAM 14		***											
UPBOUND STATISTICS		404	266	20	690	2432	1665	4097	628	196	18	842	2410
DNBOUND STATISTICS		399	256	32	687	191	3518	3709	606	178	18	802	4822
TOTAL		803	522	52	1377	2623	5183	7806	1234	374	36	1644	7232
LOCK & DAM 14 AUXILIARY 1		***	ONLY SECOND AND THIRD MONTHS REPORTED										
UPBOUND STATISTICS		0	1162	0	1162	0	0	0	1	279	0	280	0
DNBOUND STATISTICS		0	1152	0	1152	0	0	0	2	280	0	282	0
TOTAL		0	2314	0	2314	0	0	0	3	559	0	562	0
LOCK & DAM 15		***											
UPBOUND STATISTICS		375	33	30	438	2193	1749	3942	652	32	6	690	2558
DNBOUND STATISTICS		367	61	38	466	232	3271	3503	623	18	9	650	4650
TOTAL		742	94	68	904	2425	5020	7445	1275	50	15	1340	7209
LOCK & DAM 15 AUXILIARY 1		***											
UPBOUND STATISTICS		38	967	35	1040	34	16	60	74	408	5	487	26
DNBOUND STATISTICS		39	815	36	890	49	1	55	74	400	5	479	8
TOTAL		77	1782	71	1930	83	32	115	148	808	10	966	34

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED										
			4/85		5/85		6/85						
RIVER/LOCK NAME		TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL (NAV, OPN, ETC)	TONNAGE (KTONS)
MISSISSIPPI RIVER													
LOCK & DAM 16		***											
UPBOUND STATISTICS		399	227	30	656	2439	1842	4281	639	202	21	862	2696
DNBOUND STATISTICS		384	294	39	717	250	3532	3782	599	200	20	819	5007
TOTAL		783	521	69	1373	2689	5374	8063	1238	402	41	1681	7704
LOCK & DAM 17		***											
UPBOUND STATISTICS		391	155	13	559	2414	2084	4498	633	161	14	808	3034
DNBOUND STATISTICS		380	191	12	583	358	3619	3977	603	136	12	751	5124
TOTAL		771	346	25	1142	2772	5703	8475	1236	297	26	1559	8158
LOCK & DAM 18		***											
UPBOUND STATISTICS		388	253	16	657	2516	2076	4592	611	255	13	879	3038
DNBOUND STATISTICS		381	315	21	717	337	3796	4133	590	243	13	846	5377
TOTAL		769	568	37	1374	2853	5872	8725	1201	498	26	1725	8416
LOCK & DAM 19		***											
UPBOUND STATISTICS		380	192	26	598	2723	2000	4723	401	93	9	503	2923
DNBOUND STATISTICS		382	186	34	602	295	4005	4300	393	81	8	482	5672
TOTAL		762	378	60	1200	3018	6005	9023	794	174	17	985	8595
LOCK & DAM 19 AUXILIARY 1		***	NO DATA RECORDED FOR THIS LOCK										
LOCK & DAM 20		***											
UPBOUND STATISTICS		394	110	56	560	2781	2013	4794	695	114	18	827	2941
DNBOUND STATISTICS		396	102	48	546	286	4024	4310	668	91	18	777	5685
TOTAL		790	212	104	1106	3067	6037	9104	1363	205	36	1604	8627

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED									
			4/85			5/85			6/85			
RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
		(NAV, OPN, ETC)										
MISSISSIPPI RIVER												
LOCK & DAM 21	***											
UPBOUND STATISTICS	387	167	29	583	2850	1944	4794	648	158	17	823	2959
DNBOUND STATISTICS	381	148	27	556	180	4098	4278	638	132	15	785	5790
TOTAL	768	315	56	1139	3030	6042	9072	1286	290	32	1608	8650
LOCK & DAM 22	***											
UPBOUND STATISTICS	381	191	20	592	2855	1947	4802	646	145	14	805	2845
DNBOUND STATISTICS	389	162	11	562	183	4185	4368	643	113	14	770	5943
TOTAL	770	353	31	1154	3038	6132	9170	1289	258	28	1575	8789

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROF4	DISTRICT NAME			DIVISION NAME			MONTHS REPORTED												
	ROCK ISLAND			NORTH CENTRAL			4/85				5/85				6/85				
							LOCK PROCESSING TIME (MIN.)												
	APPROACH			ENTRY			CHAMBER			EXIT			:	DELATED	DELAY	DELAY	DELAY		
												:	VESSELS	TIME	AVG	MAX			
			MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	:	TOWS	TOWS	(ALL USLS)	
ILLINOIS																			
THOMAS J O'BRIEN			1	2	36	1	1	29	2	15	42	1	1	124		158	2299	3.5	135
LOCKPORT LOCK			1	8	91	1	10	52	2	32	170	1	9	74		794	64998	65.3	1325
BRANDON ROAD LOCK & DAM			1	10	68	1	11	427	3	24	400	1	10	90		739	71121	71.6	1522
DRESDEN ISLAND LOCK & DAM			1	7	138	1	8	48	1	15	78	1	10	69		456	31528	38.0	465
MARSHALLS LOCK & DAM			1	8	101	1	8	427	3	18	44	1	13	72		487	55555	71.4	820
STARVED ROCK LOCK & DAM			1	6	60	1	8	52	2	15	73	1	12	63		274	38584	47.8	495
PEORIA LOCK & DAM			1	4	58	1	7	46	1	7	36	1	10	56		651	34966	39.7	1441
LAGRANGE LOCK & DAM			1	5	105	1	6	59	1	5	45	1	9	100		593	19411	23.7	990
MISSISSIPPI RIVER																			
LOCK & DAM 11			1	7	159	1	6	31	1	9	37	1	11	58		260	19957	36.2	350

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED													
			4/85				5/85				6/85					
			LOCK PROCESSING TIME (MIN.)									:	DELAYED	DELAY	DELAY	DELAY
APPROACH			ENTRY		CHAMBER		EXIT		:	VESSELS	TIME	AVG	MAX			
MIN			AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	TOWS	TOWS	(ALL VSLs)
MISSISSIPPI RIVER																
LOCK & DAM 12	1	7	73	1	6	29	1	6	27	1	11	92	245	20060	35.2	380
LOCK & DAM 13	1	5	74	1	6	34	1	7	408	1	11	57	215	17105	29.9	1525
LOCK & DAM 14	1	7	111	1	7	37	2	8	69	1	13	185	404	41540	51.7	1505
LOCK & DAM 14 AUXILIARY 1	1	1	1	1	1	3	1	11	37	1	1	8	0	0	0.0	0
LOCK & DAM 15	1	10	90	1	8	395	1	9	359	1	16	89	355	41780	56.3	745
LOCK & DAM 15 AUXILIARY 1	1	1	63	1	1	51	2	10	134	1	1	18	19	218	2.8	43
LOCK & DAM 16	1	9	68	1	7	30	1	7	127	1	14	85	431	36329	46.3	465
LOCK & DAM 17	1	10	203	1	7	40	1	9	48	1	13	87	496	246781	320.0	5537
LOCK & DAM 18	1	8	93	1	7	32	1	6	49	1	13	55	455	43249	56.2	425
LOCK & DAM 19	1	16	76	1	7	36	2	16	441	1	8	33	305	17201	22.5	202

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC F4	DISTRICT NAME ROCK ISLAND	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED														
			4/85				5/85				6/85						
APPROACH		LOCK PROCESSING TIME (MIN.)						:	DELAYED	DELAY	DELAY	DELAY					
		ENTRY		CHAMBER		EXIT		:	VESSELS	TIME	AVG	MAX					
MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	TOWS	TOWS	(ALL VSLs)			
MISSISSIPPI RIVER																	
LOCK & DAM 20		1	7	404	1	7	28	1	6	429	1	15	93	400	40413	51.1	636
LOCK & DAM 21		1	9	96	1	8	67	1	5	36	1	15	83	408	34416	44.8	290
LOCK & DAM 22		1	14	148	1	9	72	1	6	72	1	18	102	504	74451	96.6	1440

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
F5	ST PAUL	NORTH CENTRAL	4/85	5/85	6/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
MISSISSIPPI RIVER	01-LOCK & DAM 1 MAIN CHBR 1	0400/0056/ 11.0
	01-LOCK & DAM 1 MAIN CHBR 2	0400/0056/ 11.0
	02-LOCK & DAM 2	0600/0110/ 11.0
	02-LOCK & DAM 2 AUXILIARY 1	0500/0110/ 11.0
	03-LOCK & DAM 3	0600/0110/ 11.0
	04-LOCK & DAM 4	0600/0110/ 11.0
	05-LOCK & DAM 5	0600/0110/ 11.0
	06-LOCK & DAM 6	0600/0110/ 11.0
	07-LOCK & DAM 7	0600/0110/ 11.0
	08-LOCK & DAM 8	0600/0110/ 11.0
	09-LOCK & DAM 9	0600/0110/ 11.0
	10-LOCK & DAM 10	0600/0110/ 11.0
	51-ST ANTHONY FALLS UPPER L & D	0400/0056/ 11.0
	52-ST ANTHONY FALLS LOWER L & D	0400/0056/ 11.0
	55-LOCK & DAM 5A	0600/0110/ 11.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC F5	DISTRICT NAME ST PAUL	DIVISION NAME NORTH CENTRAL					MONTHS REPORTED						
							4/85	5/85			6/85		
RIVER/LOCK NAME		TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
		(NAV, DPN, ETC)											
MISSISSIPPI RIVER													
LOCK & DAM 1 MAIN CHBR 1		***											
UPBOUND STATISTICS		244	694	33	971	195	226	421	286	357	6	649	308
DNBOUND STATISTICS		243	697	42	982	205	209	414	286	354	6	646	310
TOTAL		487	1391	75	1953	400	435	835	572	711	12	1295	618
LOCK & DAM 1 MAIN CHBR 2		***	NO DATA RECORDED FOR THIS LOCK										
LOCK & DAM 2		***											
UPBOUND STATISTICS		329	1136	108	1573	2301	603	2904	419	466	12	897	869
DNBOUND STATISTICS		327	1211	110	1648	55	2669	2724	417	496	8	921	3869
TOTAL		656	2347	218	3221	2356	3272	5628	836	962	20	1818	4738
LOCK & DAM 2 AUXILIARY 1		***	NO DATA RECORDED FOR THIS LOCK										
LOCK & DAM 3		***											
UPBOUND STATISTICS		263	1528	7	1798	1929	609	2538	330	618	13	961	885
DNBOUND STATISTICS		263	1697	17	1977	53	2248	2301	327	669	8	1004	3292
TOTAL		526	3225	24	3775	1982	2857	4839	657	1287	21	1965	4178
LOCK & DAM 4		***											
UPBOUND STATISTICS		262	897	5	1164	2018	608	2626	329	513	111	953	879
DNBOUND STATISTICS		262	873	7	1142	51	2383	2434	331	493	103	927	3489
TOTAL		524	1770	12	2306	2069	2991	5060	660	1006	214	1880	4369
LOCK & DAM 5		***											
UPBOUND STATISTICS		258	562	6	826	1918	654	2572	344	371	52	767	961
DNBOUND STATISTICS		256	553	9	818	53	2313	2366	346	348	38	732	3383
TOTAL		514	1115	15	1644	1971	2967	4938	690	719	90	1499	4345

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC F5	DISTRICT NAME ST PAUL	DIVISION NAME NORTH CENTRAL						MONTHS REPORTED					
								4/85	5/85		6/85		
RIVER/LOCK NAME		TONS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, DPN, ETC)													
MISSISSIPPI RIVER													
LOCK & DAM 6		***											
UPBOUND STATISTICS		261	639	9	909	2028	702	2730	346	466	20	932	1029
DNBOUND STATISTICS		260	589	12	861	54	2489	2543	349	439	20	808	3631
TOTAL		521	1228	21	1770	2082	3191	5273	695	905	40	1640	4660
LOCK & DAM 7		***											
UPBOUND STATISTICS		261	1240	27	1528	2025	717	2742	354	667	27	1046	1040
DNBOUND STATISTICS		261	1215	31	1507	64	2478	2542	339	633	24	996	3626
TOTAL		522	2455	58	3035	2089	3195	5284	693	1300	51	2044	4666
LOCK & DAM 8		***											
UPBOUND STATISTICS		261	522	3	786	2026	799	2825	354	355	13	722	1172
DNBOUND STATISTICS		261	498	20	779	73	2544	2617	360	333	13	706	3686
TOTAL		522	1020	23	1565	2099	3343	5442	714	688	26	1428	4858
LOCK & DAM 9		***											
UPBOUND STATISTICS		253	499	1	753	1697	1105	2802	349	362	6	717	1612
DNBOUND STATISTICS		251	489	4	744	96	2481	2577	347	344	9	700	3599
TOTAL		504	988	5	1497	1793	3586	5379	696	706	15	1417	5211
LOCK & DAM 10		***											
UPBOUND STATISTICS		282	671	7	960	1874	1112	2986	383	481	7	851	1619
DNBOUND STATISTICS		274	658	15	947	102	2610	2713	374	470	11	855	3774
TOTAL		556	1329	22	1907	1977	3722	5699	757	921	18	1706	5393

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EPDC F5	DISTRICT NAME ST PAUL	DIVISION NAME NORTH CENTRAL						MONTHS REPORTED				
								4/85	5/85	6/85		
RIVER/LOCK NAME	TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)												
MISSISSIPPI RIVER												
ST ANTHONY FALLS UPPER L & D	xxx											
UPBOUND STATISTICS	172	372	44	588	167	97	264	214	214	3	431	145
DNEBOUND STATISTICS	177	427	36	640	79	172	251	210	250	3	463	253
TOTAL	349	799	80	1228	246	269	515	424	464	6	894	399
ST ANTHONY FALLS LOWER L & D	xxx											
UPBOUND STATISTICS	246	363	30	639	194	232	426	277	216	8	501	317
DNEBOUND STATISTICS	242	430	33	705	203	208	411	273	241	8	522	306
TOTAL	488	793	63	1344	397	440	837	550	457	16	1023	623
LOCK & DAM 5A	xxx	ONLY SECOND AND THIRD MONTHS REPORTED										
UPBOUND STATISTICS	258	1020	65	1343	1941	647	2588	433	518	31	982	942
DNEBOUND STATISTICS	258	932	60	1250	55	2318	2373	390	537	30	957	3393
TOTAL	516	1952	125	2593	1996	2965	4961	823	1055	61	1939	4336

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC F5	DISTRICT NAME ST PAUL			DIVISION NAME NORTH CENTRAL								MONTHS REPORTED 4/85 5/85 6/85					
				LOCK PROCESSING TIME (MIN.)								DELATED	DELAY	DELAY	DELAY		
	APPROACH			ENTRY		CHAMBER			EXIT			VESSELS	TIME	AVG	MAX		
			MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	TONS	TONS	CALL USLS
MISSISSIPPI RIVER																	
LOCK & DAM 1 MAIN CHER 1	1	3	15	1	4	17	4	11	56	1	3	17	51	938	1.9	44	
LOCK & DAM 2	1	6	90	1	6	55	4	8	39	1	8	77	311	21397	32.6	318	
LOCK & DAM 3	1	5	110	1	5	55	1	5	55	1	8	55	232	14098	16.8	241	
LOCK & DAM 4	1	6	113	1	5	37	4	5	17	1	9	75	236	15477	29.5	610	
LOCK & DAM 5	1	6	79	1	5	33	4	7	19	1	9	69	197	10807	11.0	692	
LOCK & DAM 6	1	7	80	1	5	60	4	5	55	1	9	66	227	12528	24.0	270	
LOCK & DAM 7	1	5	81	1	5	40	4	5	14	1	8	53	243	14132	27.1	246	
LOCK & DAM 8	1	7	72	1	6	73	5	6	26	1	12	65	204	11570	22.1	605	
LOCK & DAM 9	1	8	97	1	6	51	3	5	55	1	11	55	161	11392	22.6	325	
LOCK & DAM 10	1	6	119	1	5	30	4	5	55	1	9	52	214	14115	25.3	601	

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EPDC FS	DISTRICT NAME ST PAUL	DIVISION NAME NORTH CENTRAL	MONTHS REPORTED												4/85	5/85	6/85										
			LOCK PROCESSING TIME (MIN.)																								
			APPROACH			ENTRY			CHAMBER			EXIT						DELA	DELA	DELA	DELA						
																		JESSELS	TIME	AVG	MAX						
			PIN			AVG			MAX			MIN						AVG			MAX			TOWS	TOWS	TOWS	TOWS
MISSISSIPPI RIVER																											
ST ANTHONY FALLS UPPER L & D																											
ST ANTHONY FALLS LOWER L & D																											
LOCK & DAM SA																											

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED	
G2	PORTLAND	NORTH PACIFIC	4/85	5/85 6/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
COLUMBIA RIVER	01-BONNEVILLE LOCK & DAM	0500/0075/ 15.0
	02-THE DALLES DAM	0675/0086/ 15.0
	03-JOHN DAY LOCK & DAM	0675/0086/ 15.0
WILLAMETTE RIVER	11-WILLAMETTE FALLS LOCKS 1 - 4	0210/0040/ 6.0
	15-WILLAMETTE FALLS GUARD LOCK	0210/0040/ 6.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

ERDC 62	DISTRICT NAME PORTLAND	DIVISION NAME NORTH PACIFIC	MONTHS REPORTED										
			4/85		5/85		6/85						
RIVER/LOCK NAME		TONS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
COLUMBIA RIVER													
BONNEVILLE LOCK & DAM		***	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS		149	43	14	206	344	120	464	269	15	57	341	272
DNBOUND STATISTICS		159	45	6	210	41	460	501	279	22	66	367	970
TOTAL		308	88	20	416	385	580	965	548	37	123	708	1243
THE DALLES DAM		***	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS		98	10	3	111	218	116	334	103	8	38	149	228
DNBOUND STATISTICS		103	17	4	124	42	315	357	106	13	41	160	731
TOTAL		201	27	7	235	260	431	691	209	21	79	309	959
JOHN DAY LOCK & DAM		***	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS		96	8	10	114	207	113	320	101	6	40	147	239
DNBOUND STATISTICS		104	15	9	128	42	313	355	106	11	41	158	710
TOTAL		200	23	19	242	249	426	675	207	17	81	305	949
WILLAMETTE RIVER													
WILLAMETTE FALLS LOCKS 1 - 4		***	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS		82	86	19	187	23	99	122	103	115	2	220	25
DNBOUND STATISTICS		74	96	28	198	2	107	109	96	116	2	214	30
TOTAL		156	182	47	385	25	206	231	199	231	4	434	55
WILLAMETTE FALLS GUARD LOCK		***											
UPBOUND STATISTICS		58	66	97	221	24	39	63	68	94	65	227	7
DNBOUND STATISTICS		54	86	94	234	5	49	54	54	96	63	213	13
TOTAL		112	152	191	455	29	88	117	122	190	128	440	20

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC G2	DISTRICT NAME PORTLAND	DIVISION NAME NORTH PACIFIC	INSTITUTE FOR WATER RESOURCES											MONTHS REPORTED				
														4/85	5/85	6/85		
			LOCK PROCESSING TIME (MIN.)											:	DELAYED	DELAY	DELAY	DELAY
			APPROACH		ENTRY		CHAMBER				EXIT		:	VESSELS	TIME	AVG	MAX	
			MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	TOWS	TOWS	CALL USLE	
COLUMBIA RIVER																		
BONNEVILLE LOCK & DAM	1	6	31	1	6	75	5	22	95	1	4	30	295	17491	56.7	447		
THE DALLES DAM	1	5	19	1	5	27	4	21	66	1	5	30	170	2082	10.3	60		
JOHN DAY LOCK & DAM	1	5	25	1	5	22	11	25	435	1	4	16	199	985	4.9	7		
WILLAMETTE RIVER																		
WILLAMETTE FALLS LOCKS 1 - 4	1	1	8	1	1	20	4	32	103	1	2	35	156	2084	13.3	1918		
WILLAMETTE FALLS GUARD LOCK	1	1	2	1	1	5	1	1	19	1	1	70	111	113	1.0	4		

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
GS	SEATTLE	NORTH PACIFIC	4/85	5/85	6/85

RIVER	LOCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
LAKE WASHINGTON SHP CA 01-HIRAM M CHITTENDEN LOCKS		0760/0080/ 30.0
	01-HIRAM M CHITTENDEN LOCKS AUX1	0150/0028/ 25.0

NO DATA RECORDED ON SUMMARY FILE FOR THIS PERIOD

NO DATA RECORDED ON LOCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
G4	WALLA WALLA	NORTH PACIFIC	4/85	5/85	6/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
COLUMBIA RIVER	24-MCNARY LOCK & DAM	0675/0086 14.0
SNAKE RIVER	01-ICE HARBOR LOCK & DAM	0670/0086/ 14.0
	02-LOWER MONUMENTAL LOCK & DAM	0670/0086/ 14.0
	03-LITTLE GOOSE LOCK & DAM	0670/0086/ 14.0
	04-LOWER GRANITE LOCK & DAM	0670/0086/ 14.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC G4	DISTRICT NAME WALLA WALLA	DIVISION NAME NORTH PACIFIC						MONTHS REPORTED					
								4/85	5/85		6/85		
RIVER/LOCK NAME		TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER (NAV, OPN, ETC)	LCKGES TOTAL	TUNNAGE (KTONS)
COLUMBIA RIVER													
MCNARY LOCK & DAM		***											
UPBOUND STATISTICS		127	69	7	203	258	193	451	139	38	46	223	348
DNBOUND STATISTICS		133	83	6	222	61	406	467	146	51	48	245	928
TOTAL		260	152	13	425	319	599	918	285	89	94	468	1276
SNAKE RIVER													
ICE HARBOR LOCK & DAM		***											
UPBOUND STATISTICS		117	349	19	485	240	41	281	142	147	48	337	26
DNBOUND STATISTICS		114	339	19	472	3	285	288	140	145	50	335	641
TOTAL		231	688	38	957	243	326	569	282	292	98	672	668
LOWER MONUMENTAL LOCK & DAM		***											
UPBOUND STATISTICS		79	61	3	143	210	44	254	88	32	45	165	30
DNBOUND STATISTICS		80	63	3	146	3	257	260	89	33	46	168	552
TOTAL		159	124	6	289	213	301	514	177	65	91	333	582
LITTLE GOOSE LOCK & DAM		***											
UPBOUND STATISTICS		83	77	3	163	211	41	252	92	36	43	171	26
DNBOUND STATISTICS		79	81	2	162	3	251	254	90	36	50	176	532
TOTAL		162	158	5	325	214	292	506	182	72	93	347	559
LOWER GRANITE LOCK & DAM		***											
UPBOUND STATISTICS		73	150	9	232	156	38	194	96	104	6	206	24
DNBOUND STATISTICS		75	146	7	228	4	199	203	96	101	7	204	389
TOTAL		148	296	16	461	160	237	397	192	205	13	410	414

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

ERDC H1	DISTRICT NAME HUNTINGTON	DIVISION NAME OHIO RIVER	MONTHS REPORTED		
			4/85	5/85	6/85

RIVER	LOCKE-LOCK NAME		LEN/WID/DRAFT (FT/FT/FT)		
KANAWHA RIVER	01-WINFIELD LOCKS & DAM MAIN 1		0360/0056/ 12.0		
	01-WINFIELD LOCKS & DAM MAIN 2		0360/0056/ 12.0		
	02-MARRET LOCKS & DAM MAIN 1		0360/0056/ 12.0		
	02-MARRET LOCKS & DAM MAIN 2		0360/0056/ 12.0		
	03-LONDON LOCKS & DAM MAIN 1		0360/0056/ 12.0		
	03-LONDON LOCKS & DAM MAIN 2		0360/0056/ 12.0		
OHIO RIVER	21-BELLEVILLE LOCKS & DAM		1200/0110/ 12.0		
	21-BELLEVILLE LOCKS & DAM AUX 1		0600/0110/ 12.0		
	22-RACINE LOCKS & DAM		1200/0110/ 12.0		
	22-RACINE LOCKS & DAM AUX 1		0600/0110/ 12.0		
	23-GALLIPOLIS LOCKS & DAM		0600/0110/ 12.0		
	23-GALLIPOLIS LOCKS & DAM AUX 1		0360/0110/ 12.0		
	24-GREENUP LOCKS & DAM		1200/0110/ 12.0		
	24-GREENUP LOCKS & DAM AUX 1		0600/0110/ 12.0		
	25-CAPT ANT MELDAHL LOCKS & DAM		1200/0110/ 12.0		
	25-CAPT ANT MELDAHL LOCKS & DAM AUX 1		0600/0110/ 12.0		
	70-WILLOW ISLAND LOCKS & DAM		1200/0110/ 12.0		
	72-WILLOW ISLAND LOCKS & DAM AUX		0600/0110/ 12.0		

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H1	DISTRICT NAME HUNTINGTON	DIVISION NAME OHIO RIVER		MONTHS REPORTED								
				4/85	5/85	6/85						
RIVER/LOCK NAME	TOWS	VESSL RECTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, OFN, ETC)												
KANAWHA RIVER												
WINFIELD LOCKS & DAM MAIN 1	xxx											
UPBOUND STATISTICS	354	10	16	380	1330	816	2146	1484	12	8	1504	1362
DNBOUND STATISTICS	343	6	30	379	539	1540	2079	1401	11	15	1427	1822
TOTAL	697	16	46	759	1869	2356	4225	2885	23	23	2931	3184
WINFIELD LOCKS & DAM MAIN 2	xxx											
UPBOUND STATISTICS	121	8	10	139	577	161	738	444	17	3	454	249
DNBOUND STATISTICS	133	9	11	153	213	580	796	520	14	0	534	474
TOTAL	254	17	21	292	790	741	1531	964	31	3	998	923
MARRET LOCKS & DAM MAIN 1	xxx											
UPBOUND STATISTICS	205	74	25	304	866	126	992	657	114	5	776	173
DNBOUND STATISTICS	247	55	18	320	97	1140	1237	840	93	3	936	1379
TOTAL	452	129	43	624	963	1266	2229	1497	207	8	1712	1553
MARRET LOCKS & DAM MAIN 2	xxx											
UPBOUND STATISTICS	139	66	22	227	559	47	606	413	100	5	518	57
DNBOUND STATISTICS	99	87	22	208	27	335	362	238	114	6	360	408
TOTAL	238	153	44	435	586	382	968	651	214	11	878	465
LONDON LOCKS & DAM MAIN 1	xxx	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS	21	2	4	27	68	4	71	71	5	2	78	6
DNBOUND STATISTICS	23	1	0	26	0	84	84	84	3	0	87	124
TOTAL	44	3	6	53	68	88	156	155	8	2	165	130

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H1	DISTRICT NAME HUNTINGTON	DIVISION NAME OHIO RIVER		MONTHS REPORTED									
				4/85	5/85	6/85							
RIVER/LOCK NAME	TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)	
(NAV, OPN, ETC)													
KANAWHA RIVER													
LONDON LOCKS & DAM MAIN 2	***												
UPBOUND STATISTICS	132	32	13	177	364	12	376	334	74	2	410	11	
DNBOUND STATISTICS	133	33	10	176	7	343	350	313	71	4	388	483	
TOTAL	265	65	23	353	371	355	726	647	145	6	798	494	
OHIO RIVER													
BELLEVILLE LOCKS & DAM	***												
UPBOUND STATISTICS	421	2	4	427	839	3885	4724	422	1	0	423	5524	
DNBOUND STATISTICS	399	0	0	399	2571	2054	4625	399	0	0	399	3240	
TOTAL	820	2	4	826	3410	5939	9349	821	1	0	822	8765	
BELLEVILLE LOCKS & DAM AUX 1	***												
UPBOUND STATISTICS	37	106	6	149	28	94	122	39	85	2	126	102	
DNBOUND STATISTICS	57	110	9	176	145	63	208	64	81	5	150	73	
TOTAL	94	216	15	325	173	157	330	103	166	7	276	175	
RACINE LOCKS & DAM	***												
UPBOUND STATISTICS	449	2	3	454	1125	3920	5045	449	1	0	450	5549	
DNBOUND STATISTICS	436	1	4	441	2620	2366	4986	437	1	0	438	3522	
TOTAL	885	3	7	895	3745	6286	10031	886	2	0	888	9071	
RACINE LOCKS & DAM AUX 1	***												
UPBOUND STATISTICS	40	66	10	116	52	51	103	48	53	3	104	72	
DNBOUND STATISTICS	63	70	5	140	124	96	220	68	54	5	127	94	
TOTAL	103	136	15	256	176	147	323	116	107	8	231	166	

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H1	DISTRICT NAME HUNTINGTON	DIVISION NAME OHIO RIVER	MONTHS REPORTED											
			4/85		5/85		6/85							
RIVER/LOCK NAME			TONS	VESSL RECTN	VESSL OTHER	VESSL TOTAL	BARGE EMPTY	BARGE FULL	BARGE TOTAL	LOCKES COMMER	LOCKES RECTN	LOCKES OTHER	LOCKES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)														
OHIO RIVER														
GALLIPOLIS LOCKS & DAM			xxx											
UPBOUND STATISTICS			451	5	10	466	849	3530	4379	772	5	0	777	5462
DNBOUND STATISTICS			452	8	11	471	2177	2214	4391	776	5	0	781	3228
TOTAL			903	13	21	937	3026	5744	9770	1548	10	0	1558	8690
GALLIPOLIS LOCKS & DAM AUX 1			xxx											
UPBOUND STATISTICS			32	49	24	105	33	38	71	59	40	5	104	48
DNBOUND STATISTICS			38	51	19	108	54	33	87	59	44	5	108	36
TOTAL			70	100	43	213	87	71	158	118	84	10	212	85
GREENUP LOCKS & DAM			xxx											
UPBOUND STATISTICS			564	61	40	665	3338	2071	5409	582	34	1	617	3276
DNBOUND STATISTICS			552	82	47	681	832	4582	5414	582	41	4	627	6778
TOTAL			1116	143	87	1346	4170	6653	10823	1164	75	5	1244	10054
GREENUP LOCKS & DAM AUX 1			xxx											
UPBOUND STATISTICS			27	312	20	359	48	20	68	46	180	3	229	27
DNBOUND STATISTICS			22	269	26	317	35	17	52	48	146	1	195	21
TOTAL			49	581	46	676	83	37	120	94	326	4	424	49
CAPT ANT MELDAHL LOCKS & DAM			xxx											
UPBOUND STATISTICS			489	6	6	501	3058	2265	5323	492	5	0	497	3559
DNBOUND STATISTICS			483	14	7	504	947	4425	5372	487	13	1	501	6625
TOTAL			972	20	13	1005	4005	6690	10695	979	18	1	998	10184

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H1	DISTRICT NAME HUNTINGTON	DIVISION NAME OHIO RIVER					MONTHS REPORTED							
							4/85		5/85			6/85		
RIVER/LOCK NAME		TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECFTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)	
														(NAV, OPN, ETC)
OHIO RIVER														
CAPT ANT MELDAHL LK&DAM AUX 1		***												
UPBOUND STATISTICS		43	632	9	683	50	197	157	53	254	3	310	146	
DNBOUND STATISTICS		42	594	10	646	103	53	156	55	238	2	295	73	
TOTAL		85	1226	18	1329	153	160	313	108	492	5	605	220	
WILLOW ISLAND LOCKS & DAM		***												
UPBOUND STATISTICS		403	11	4	418	816	3632	4448	405	5	1	411	4924	
DNBOUND STATISTICS		390	3	4	397	2280	2119	4399	391	2	1	394	3221	
TOTAL		793	14	8	815	3096	5751	8847	796	7	2	805	8145	
WILLOW ISLAND LOCKS & DAM AUX		***												
UPBOUND STATISTICS		73	170	108	351	96	159	255	85	51	1	137	136	
DNBOUND STATISTICS		95	201	109	405	239	102	341	108	50	3	161	114	
TOTAL		168	371	217	756	335	261	596	193	101	4	298	251	

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H1	DISTRICT NAME HUNTINGTON	DIVISION NAME OHIO RIVER	MONTHS REPORTED												4/85	5/85	6/85				
			LOCK PROCESSING TIME (MIN.)															: DELAYED	DELAY	DELAY	DELAY
			APPROACH			ENTRY			CHAMBER			EXIT						: VESSELS	TIME	AVG	MAX
MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	: MIN	AVG	MAX	:	TOWS	TOWS	(ALL VSLS)						
KANAWHA RIVER																					
WINFIELD LOCKS & DAM MAIN 1	1	6	115	1	4	25	5	9	40	1	9	77	633	853475	1224.4	5095					
WINFIELD LOCKS & DAM MAIN 2	1	9	59	1	5	25	5	9	23	5	11	97	185	47415	186.6	1580					
MARRET LOCKS & DAM MAIN 1	1	8	45	1	5	26	5	8	35	1	8	120	182	33575	74.2	755					
MARRET LOCKS & DAM MAIN 2	1	8	61	1	4	17	5	8	21	1	7	58	36	3178	13.3	415					
LONDON LOCKS & DAM MAIN 1	1	7	30	1	5	12	6	9	20	2	9	25	13	2506	56.3	585					
LONDON LOCKS & DAM MAIN 2	1	7	47	1	4	25	5	8	193	1	8	40	56	9778	36.6	860					
OHIO RIVER																					
BELLEVILLE LOCKS & DAM	1	17	51	2	10	30	8	12	20	3	9	27	257	9483	11.5	171					
BELLEVILLE LOCKS & DAM AUX 1	1	12	38	1	4	19	9	12	22	1	5	18	5	127	1.3	47					

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H1	DISTRICT NAME HUNTINGTON	DIVISION NAME OHIO RIVER	MONTHS REPORTED												6/85			
			4/85				5/85											

			LOCK PROCESSING TIME (MIN.)										:	DELAYED	DELAY	DELAY	DELAY	
			APPROACH		ENTRY		CHAMBER		EXIT		:	VESSELS	TIME	AVG	MAX			
			MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:		TOWS	TOWS	(ALL VSLS)

OHIO RIVER																		
RACINE LOCKS & DAM			1	15	76	2	11	28	6	11	445	1	10	28	311	13349	15.0	150
RACINE LOCKS & DAM AUX 1			1	10	43	1	6	20	7	11	70	1	7	21	4	105	1.0	41
GALLIPOLIS LOCKS & DAM			1	10	83	1	11	46	5	11	24	1	17	65	631	103792	114.9	880
GALLIPOLIS LOCKS & DAM AUX 1			1	7	26	1	5	27	6	11	32	2	6	33	3	152	2.1	90
GREENUP LOCKS & DAM			1	13	60	1	9	21	6	11	24	1	9	32	503	20386	18.2	333
GREENUP LOCKS & DAM AUX 1			1	6	24	2	4	13	5	10	16	1	4	22	5	84	1.7	35
CAPT ANT MELDAHL LOCKS & DAM			1	18	59	1	10	33	7	13	35	1	12	33	437	31722	32.6	1440
CAPT ANT MELDAHL LK&DAM AUX			1	6	82	1	3	31	5	12	28	1	3	29	9	469	5.5	123
WILLOW ISLAND LOCKS & DAM			1	16	46	1	8	24	5	13	25	2	10	25	240	8704	10.9	102
WILLOW ISLAND LOCKS & DAM AU			1	13	31	1	4	15	8	13	27	1	6	20	12	331	1.9	53

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
H2	LOUISVILLE	OHIO RIVER	4/85	5/85	6/85
RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)			
GREEN/BARREN RIVER	21-LOCK & DAM 1	0600/0084/ 12.0			
	22-LOCK & DAM 2	0600/0084/ 12.0			
OHIO RIVER	41-MARKLAND LOCKS & DAM	1200/0110/ 12.0			
	41-MARKLAND LOCKS & DAM AUX 1	0600/0110/ 12.0			
	42-MCALPINE LOCKS & DAM	1200/0110/ 12.0			
	42-MCALPINE LOCKS & DAM AUX 1	0600/0110/ 12.0			
	52-LOCK & DAM 52	1200/0110/ 12.0			
	52-LOCK & DAM 52 AUX 1	0600/0110/ 12.0			
	75-CANNELTON LOCK & DAM	1200/0110/ 12.0			
	75-CANNELTON LOCK & DAM AUX	0600/0110/ 12.0			
	76-NEWBURGH LOCK & DAM	1200/0110/ 12.0			
	76-NEWBURGH LOCK & DAM AUX 1	0600/0110/ 12.0			
	77-UNIONTOWN LOCK & DAM	1200/0110/ 12.0			
	77-UNIONTOWN LOCK & DAM AUX 1	0600/0110/ 12.0			
	78-SMITHLAND LOCK & DAM	1200/0110/ 12.0			
	78-SMITHLAND LOCK & DAM AUX 1	1200/0110/ 12.0			

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H2	DISTRICT NAME	DIVISION NAME		MONTHS REPORTED								
	LOUISVILLE	OHIO RIVER			4/85	5/85	6/85					
RIVER/LOCK NAME	TOWS	VESSL RECTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGS TOTAL	LCKGES COMMER	LCKGES RECTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, OFN, ETC)												
GREEN BARREN RIVER												
LOCK & DAM 1	***											
UPBOUND STATISTICS	461	198	4	663	1539	225	1764	409	117	59	585	336
DNBOUND STATISTICS	449	198	8	655	87	1640	1727	405	112	54	571	2462
TOTAL	910	396	12	1318	1626	1865	3491	814	229	113	1156	2799
LOCK & DAM 2	***											
UPBOUND STATISTICS	313	58	8	379	1193	39	1232	320	32	3	355	58
DNBOUND STATISTICS	319	55	9	381	51	1198	1249	328	34	1	363	1794
TOTAL	632	111	17	760	1244	1237	2481	648	66	4	718	1852
OHIO RIVER												
MARKLAND LOCKS & DAM	***											
UPBOUND STATISTICS	492	227	10	729	2022	2753	4775	504	71	2	577	4461
DNBOUND STATISTICS	478	202	9	688	895	3757	4653	489	82	1	572	5582
TOTAL	970	429	18	1417	2918	6510	9428	993	153	3	1149	10044
MARKLAND LOCKS & DAM AUX 1	***											
UPBOUND STATISTICS	37	47	2	86	139	142	281	51	34	2	87	243
DNBOUND STATISTICS	50	57	4	111	83	281	364	69	37	1	107	440
TOTAL	87	104	6	197	222	423	645	120	71	3	194	684
MCALPINE LOCKS & DAM	***											
UPBOUND STATISTICS	584	203	91	868	1609	3785	5394	647	108	5	760	6021
DNBOUND STATISTICS	603	203	68	874	1313	4017	5330	654	94	6	754	6005
TOTAL	1187	406	149	1742	2922	7802	10724	1301	202	11	1514	12026

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H2	DISTRICT NAME LOUISVILLE	DIVISION NAME OHIO RIVER	INSTITUTE FOR WATER RESOURCES									
			MONTHS REPORTED									
			4/85				5/85			6/85		
RIVER/LOCK NAME	TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
OHIO RIVER												
MCALPINE LOCKS & DAM AUX 1	xxx	NO DATA RECORDED FOR THIS LOCK										
LOCK & DAM 52	xxx											
UPBOUND STATISTICS	1044	0	129	1173	4923	5668	10591	95	9	1005	1109	8924
DNBOUND STATISTICS	1047	2	113	1162	2867	7245	10112	89	22	1050	1161	10687
TOTAL	2091	2	242	2335	7790	12913	20703	184	31	2055	2270	19611
LOCK & DAM 52 AUX 1	xxx	ONLY SECOND AND THIRD MONTHS REPORTED										
UPBOUND STATISTICS	54	15	15	84	80	80	160	67	9	4	80	146
DNBOUND STATISTICS	61	21	15	97	99	123	222	76	13	6	92	169
TOTAL	115	36	30	181	179	203	382	143	22	7	172	315
CANNELTON LOCK & DAM	xxx											
UPBOUND STATISTICS	597	34	13	644	1963	4031	5994	601	18	2	621	6355
DNBOUND STATISTICS	587	30	10	627	1419	4380	5799	593	14	0	607	6264
TOTAL	1184	64	23	1271	3382	8411	11793	1194	32	2	1228	12620
CANNELTON LOCK & DAM AUX	xxx											
UPBOUND STATISTICS	8	229	11	248	18	2	20	18	106	1	125	1
DNBOUND STATISTICS	4	209	10	223	3	5	8	13	100	4	117	5
TOTAL	12	438	21	471	21	7	28	31	206	5	242	6
NEWBURGH LOCK & DAM	xxx											
UPBOUND STATISTICS	721	17	39	777	2800	4517	7317	735	11	0	746	7176
DNBOUND STATISTICS	704	25	19	748	1958	5130	7088	712	18	2	732	7195
TOTAL	1425	42	58	1525	4758	9647	14405	1447	29	2	1478	14371

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H2	DISTRICT NAME LOUISVILLE	DIVISION NAME OHIO RIVER					MONTHS REPORTED					
							4/85		5/85		6/85	
RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTOWS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
OHIO RIVER												
NEWBURGH LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	71	535	28	634	118	93	211	107	338	5	450	159
DNBOUND STATISTICS	103	522	18	643	225	68	293	131	344	2	477	79
TOTAL	174	1057	46	1277	343	161	504	238	682	7	927	239
UNIONTOWN LOCK & DAM	xxx											
UPBOUND STATISTICS	736	16	27	779	4199	3830	8029	739	11	1	751	6290
DNBOUND STATISTICS	748	15	15	778	1663	6301	7964	754	10	0	764	9550
TOTAL	1484	31	42	1557	5862	10131	15993	1493	21	1	1515	15841
UNIONTOWN LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	40	510	14	564	65	48	113	54	345	3	402	85
DNBOUND STATISTICS	35	510	15	560	56	30	86	51	344	3	398	46
TOTAL	75	1020	29	1124	121	78	199	105	689	6	800	131
SMITHLAND LOCK & DAM	xxx											
UPBOUND STATISTICS	144	29	13	186	791	464	1255	154	22	7	183	755
DNBOUND STATISTICS	753	74	96	923	1343	6454	7797	768	48	8	824	9944
TOTAL	897	103	109	1109	2134	6918	9052	922	70	15	1007	10700
SMITHLAND LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	729	60	32	821	4428	3371	7799	745	52	7	804	5496
DNBOUND STATISTICS	121	29	10	160	345	795	1140	131	25	5	161	1243
TOTAL	850	89	42	981	4773	4166	8939	876	77	12	965	6739

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC H2	DISTRICT NAME LOUISVILLE	DIVISION NAME OHIO RIVER	INSTITUTE FOR WATER RESOURCES														MONTHS REPORTED			
																	4/85	5/85	6/85	

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
H3	NASHVILLE	OHIO RIVER	4/85	5/85	6/85
RIVER	LCODE-LOCK NAME		LEN/WID/DRAFT (FT/FT/FT)		
CLINCH RIVER	11-MELTON HILL LOCK		0400/0075/ 11.0		
CUMBERLAND RIVER	21-BARKLEY LOCK		0800/0110/ 11.0		
	22-CHEATHAM LOCK		0800/0110/ 11.0		
	23-CORDELL HULL LOCK		0400/0084/ 11.0		
	24-OLD HICKORY LOCK		0400/0084/ 11.0		
TENNESSEE RIVER	01-KENTUCKY LOCK		0600/0110/ 11.0		
	02-PICKWICK LANDING LOCK		1000/0110/ 11.0		
	02-PICKWICK LANDING LOCK AUX		0600/0110/ 11.0		
	03-WILSON LOCK		0600/0110/ 11.0		
	03-WILSON LOCK AUX		0292/0060/ 11.0		
	04-GEN JOS WHEELER LOCK		0600/0110/ 11.0		
	04-GEN JOS WHEELER LK	AUX1	0400/0060/ 11.0		
	05-GUNTERSVILLE LOCK		0600/0110/ 11.0		
	05-GUNTERSVILLE LOCK	AUX 1	0360/0060/ 11.0		
	06-NICKAJAC LOCK		0600/0119/ 11.0		
	07-CHICKAMAUGA LOCK		0360/0060/ 11.0		
	08-WATTS BAR LOCK		0360/0060/ 11.0		
	09-FORT LOUDON LOCK		0360/0060/ 11.0		

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H3	DISTRICT NAME NASHVILLE	DIVISION NAME OHIO RIVER	MONTHS REPORTED											
			4/85			5/85			6/85					
RIVER/LOCK NAME		TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)	
														(NAV, OPN, ETC)
CLINCH RIVER														
MELTON HILL LOCK		xxx												
UPBOUND STATISTICS		0	8	0	8	0	0	0	0	7	8	15	0	
DNBOUND STATISTICS		0	8	0	8	0	0	0	0	7	7	14	0	
TOTAL		0	16	0	16	0	0	0	0	14	15	29	1	
CUMBERLAND RIVER														
BARKLEY LOCK		xxx												
UPBOUND STATISTICS		71	137	3	211	20	514	534	75	81	13	169	774	
DNBOUND STATISTICS		125	154	5	284	969	42	1011	142	127	14	283	65	
TOTAL		196	291	8	495	989	556	1545	217	208	27	452	840	
CHEATHAM LOCK		xxx												
UPBOUND STATISTICS		119	135	0	254	31	689	720	122	106	5	233	1038	
DNBOUND STATISTICS		120	140	1	261	698	62	760	124	103	5	232	77	
TOTAL		239	275	1	515	729	751	1480	246	209	10	465	1116	
CORDELL HULL LOCK		xxx												
UPBOUND STATISTICS		11	14	6	31	40	1	41	22	17	1	40	1	
DNBOUND STATISTICS		17	15	0	32	1	38	39	17	15	1	33	53	
TOTAL		28	29	6	63	41	39	80	39	32	2	73	55	
OLD HICKORY LOCK		xxx												
UPBOUND STATISTICS		34	513	15	562	19	47	66	51	271	4	326	76	
DNBOUND STATISTICS		32	511	15	558	53	11	64	48	294	5	347	13	
TOTAL		66	1024	30	1120	72	58	130	99	565	9	673	90	

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H3	DISTRICT NAME NASHVILLE	DIVISION NAME OHIO RIVER	MONTHS REPORTED										
			4/85		5/85		6/85						
RIVER/LOCK NAME		TONS	VESSEL RECPTN	VESSEL OTHER	VESSEL TOTAL	BARGS EMPTY	BARGS FULL	BARGS TOTAL	LOCKES COMMER	LOCKES RECPTN	LOCKES OTHER	LOCKES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)													
TENNESSEE RIVER													
KENTUCKY LOCK		xxx											
UPBOUND STATISTICS		460	71	38	569	879	3411	4290	707	64	2	773	5077
DNBOUND STATISTICS		405	57	52	514	2651	1116	3767	644	61	5	710	1521
TOTAL		865	128	90	1083	3530	4527	8057	1351	125	7	1483	6598
PICKWICK LANDING LOCK		xxx											
UPBOUND STATISTICS		191	106	4	301	67	1929	1996	237	66	11	314	2760
DNBOUND STATISTICS		187	150	11	348	1625	207	1832	235	107	11	353	297
TOTAL		378	256	15	649	1692	2136	3828	472	173	22	667	3058
PICKWICK LANDING LOCK AUX		xxx	ONLY FIRST AND SECOND MONTHS REPORTED										
UPBOUND STATISTICS		83	22	1	106	34	839	873	131	25	14	170	1224
DNBOUND STATISTICS		89	43	2	134	771	121	892	136	46	4	186	172
TOTAL		172	65	3	240	805	960	1765	267	71	18	356	1397
WILSON LOCK		xxx											
UPBOUND STATISTICS		147	266	66	479	118	1102	1220	225	172	18	415	1630
DNBOUND STATISTICS		151	282	61	494	813	339	1152	225	186	15	426	470
TOTAL		298	548	127	973	931	1441	2372	450	358	33	841	2101
WILSON LOCK AUX		xxx	NO DATA RECORDED FOR THIS LOCK										
GEN JOS WHEELER LOCK		xxx											
UPBOUND STATISTICS		140	68	2	210	100	1063	1163	197	37	8	242	1522
DNBOUND STATISTICS		129	57	7	193	779	320	1099	187	43	7	237	450
TOTAL		269	125	9	403	879	1383	2262	384	80	15	479	1972

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

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EROC H3	DISTRICT NAME NASHVILLE	DIVISION NAME OHIO RIVER	INSTITUTE FOR WATER RESOURCES										TONNAGE (KTONS)
			MONTHS REPORTED										
			4/85			5/85			6/85				
RIVER/LOCK NAME		TOWS	VESSEL RECRTN	VESSEL OTHER	VESSEL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	
(NAV, OPN, ETC)													
TENNESSEE RIVER													
SEN JOS WHEELER LK	AUG 1	***											
UPBOUND STATISTICS		0	297	0	297	0	0	0	1	179	7	187	1
DNBOUND STATISTICS		1	274	3	278	1	0	1	5	170	6	181	0
TOTAL		1	571	3	575	1	0	1	6	349	13	368	1
GUNTERSVILLE LOCK		***											
UPBOUND STATISTICS		133	311	5	949	247	734	981	156	288	12	456	1050
DNBOUND STATISTICS		129	770	6	905	506	388	894	150	283	11	444	509
TOTAL		262	1581	11	1854	753	1122	1875	306	571	23	900	1559
GUNTERSVILLE LOCK	AUG 1	***											
UPBOUND STATISTICS		0	336	1	337	0	0	0	1	178	1	180	0
DNBOUND STATISTICS		0	341	1	342	0	0	0	1	178	0	179	0
TOTAL		0	677	2	679	0	0	0	2	356	1	359	0
NICKAJAC LOCK		***											
UPBOUND STATISTICS		164	132	7	303	304	698	1002	187	98	6	291	957
DNBOUND STATISTICS		158	138	12	308	575	408	983	187	110	5	302	558
TOTAL		322	270	19	611	879	1106	1985	374	208	11	593	1515
CHICKAMAUGA LOCK		***											
UPBOUND STATISTICS		56	1158	5	1219	68	211	279	93	508	17	618	296
DNBOUND STATISTICS		56	1158	7	1221	188	112	300	99	535	17	651	157
TOTAL		112	2316	12	2440	256	323	579	192	1043	34	1269	453

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC H3	DISTRICT NAME NASHVILLE	DIVISION NAME OHIO RIVER		MONTHS REPORTED 4/85 5/85 6/85								
RIVER/LOCK NAME	TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LOCKGES COMMER	LOCKGES RECRTN	LOCKGES OTHER	LOCKGES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)												
TENNESSEE RIVER												
WATTS BAR LOCK	xxx											
UPBOUND STATISTICS	36	340	2	378	74	73	147	53	317	7	377	118
DNBOUND STATISTICS	32	323	2	357	41	100	141	47	309	7	363	135
TOTAL	68	663	4	735	115	173	288	100	626	14	740	253
FORT LOUDON LOCK	xxx											
UPBOUND STATISTICS	32	244	3	279	9	71	80	46	173	8	227	107
DNBOUND STATISTICS	30	240	4	274	41	32	73	40	185	8	233	37
TOTAL	62	484	7	553	50	103	153	86	358	16	460	144

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EPOC H3	DISTRICT NAME			DIVISION NAME									MONTHS REPORTED						
	NASHVILLE			OHIO RIVER									4/85		5/85		6/85		
LOCK PROCESSING TIME (MIN.)												:	DELAYED	DELAY	DELAY	DELAY			
APPROACH			ENTRY			CHAMBER			EXIT			:	VESSELS	TIME	AVG	MAX			
MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	:	TOWS	TOWS	(ALL VSLS)		
CLINCH RIVER																			
MELTON HILL LOCK	1	7	24	:	1	3	14	:	6	14	22	:	1	2	5	0	0	0.0	98
CUMBERLAND RIVER																			
BARKLEY LOCK	1	11	53	:	1	7	45	:	6	15	29	:	1	7	49	23	822	4.1	118
CHEATHAM LOCK	1	7	50	:	1	7	37	:	9	16	30	:	1	6	67	25	649	2.7	600
CORDELL HULL LOCK	2	8	70	:	1	7	40	:	15	20	30	:	1	10	36	2	1325	47.3	875
OLD HICKORY LOCK	1	3	23	:	1	3	35	:	6	16	44	:	1	3	25	14	746	11.3	600
TENNESSEE RIVER																			
KENTUCKY LOCK	1	9	147	:	1	13	81	:	6	18	45	:	1	17	92	683	155457	179.7	955

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H3	DISTRICT NAME NASHVILLE	DIVISION NAME OHIO RIVER	MONTHS REPORTED												4/85	5/85	6/85				
			APPROACH			LOCK PROCESSING TIME (MIN.) ENTRY			CHAMBER			EXIT						: DELAYED VESSELS	DELAY TIME TOWS	DELAY AVG TOWS	DELAY MAX (ALL VSLG)
TENNESSEE RIVER																					
PICKWICK LANDING LOCK			1	12	201	1	14	83	10	21	46	1	16	289	243	44271	117.1	1123			
PICKWICK LANDING LOCK AUX			1	8	81	2	11	47	6	19	54	2	16	60	100	12460	72.4	432			
WILSON LOCK			1	8	50	2	10	50	10	22	73	1	11	64	111	9610	28.8	1028			
GEN JOS WHEELER LOCK			1	12	88	1	13	40	6	14	28	1	16	51	74	3708	13.7	195			
GEN JOS WHEELER LK	AUX		1	7	110	2	5	22	6	12	22	1	4	14	0	0	0.0	174			
GUNTERSVILLE LOCK			1	6	66	1	7	46	10	14	45	1	8	61	79	3493	13.3	356			
GUNTERSVILLE LOCK	AUX		1	4	27	1	3	22	9	12	21	1	2	10	0	0	0.0	68			
NICKAJAC LOCK			1	9	55	2	5	47	6	13	24	1	9	55	56	2187	6.7	142			
CHICKAMAUGA LOCK			1	3	99	1	5	96	6	14	71	1	5	48	56	10143	90.5	791			
WATTS BAR LOCK			1	5	90	1	3	24	10	15	25	1	4	30	18	2214	32.5	601			

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC HA	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED		
			4/85	5/85	6/85
RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)			
ALLEGHENY RIVER	42-LOCK & DAM 2	0360/0056/ 9.0			
	43-LOCK & DAM 3	0360/0056/ 9.0			
	44-LOCK & DAM 4	0360/0056/ 9.0			
	45-LOCK & DAM 5	0360/0056/ 9.0			
	46-LOCK & DAM 6	0360/0056/ 9.0			
	47-LOCK & DAM 7	0360/0056/ 9.0			
	48-LOCK & DAM 8	0360/0056/ 9.0			
	49-LOCK & DAM 9	0360/0056/ 9.0			
	MONONGAHELA RIVER	22-LOCK & DAM 2	0720/0110/ 9.0		
22-LOCK & DAM 2 AUX 1		0360/0056/ 9.0			
23-LOCK & DAM 3		0720/0056/ 9.0			
23-LOCK & DAM 3 AUXILIARY 1		0360/0056/ 9.0			
24-LOCK & DAM 4		0720/0056/ 9.0			
24-LOCK & DAM 4 AUXILIARY 1		0360/0056/ 9.0			
25-MAXWELL LOCK & DAM		0720/0084/ 9.0			
25-MAXWELL LOCK & DAM AUX 1		0720/0084/ 9.0			
27-LOCK & DAM 7		0360/0056/ 9.0			
28-LOCK & DAM 8		0360/0056/ 9.0			
29-MORGANTOWN LOCK & DAM		0600/0084/ 9.0			
30-HILDEBRAND LOCK & DAM		0600/0084/ 9.0			
OHIO RIVER	01-EMSWORTH LOCK & DAM	0600/0084/ 9.0			
	01-EMSWORTH LOCK & DAM AUX 1	0360/0056/ 9.0			
	02-DASHIELDS LOCK & DAM	0600/0110/ 9.0			
	02-DASHIELDS LOCK & DAM AUX 1	0360/0056/ 9.0			

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
H4	PITTSBURGH	OHIO RIVER	4/85	5/85	6/85
RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)			
OHIO RIVER	03-MONTGOMERY LOCK & DAM	0600/0110/ 9.0			
	03-MONTGOMERY LOCK & DAM AUX 1	0360/0056/ 9.0			
	04-NEW CUMBERLAND LOCK & DAM	1200/0110/ 9.0			
	04-NEW CUMBERLAND LK & DAM AUX 1	0600/0110/ 9.0			
	05-PIKE ISLAND LOCK & DAM	1200/0110/ 9.0			
	05-PIKE ISLAND LOCK & DAM AUX 1	0600/0110/ 9.0			
	71-HANNIBAL LOCKS & DAM	1200/0110/ 9.0			
	71-HANNIBAL LOCKS & DAM AUX 1	0600/0110/ 9.0			

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED									
			4/85		5/85		6/85					
RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGS	LOCKES	LOCKES	LOCKES	LOCKES	TONNAGE (KTONS)
		REGTRN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	REGTRN	OTHER	TOTAL (NAV, OFN, ETC)	
ALLEGHENY RIVER												
LOCK & DAM 2	***											
UPBOUND STATISTICS	288	1350	15	1633	532	299	831	328	691	7	1026	342
DNBOUND STATISTICS	256	1351	22	1629	197	511	798	318	645	11	974	266
TOTAL	524	2701	37	3262	819	810	1629	646	1336	18	2000	609
LOCK & DAM 3	***											
UPBOUND STATISTICS	264	584	18	666	527	310	837	339	386	7	732	358
DNBOUND STATISTICS	259	574	13	646	304	503	807	328	371	6	705	264
TOTAL	523	1158	31	1712	831	813	1644	667	757	13	1437	622
LOCK & DAM 4	***											
UPBOUND STATISTICS	280	572	13	865	853	103	956	335	328	4	667	145
DNBOUND STATISTICS	273	566	16	855	110	830	940	335	310	4	649	435
TOTAL	553	1138	29	1720	963	933	1896	670	638	8	1316	580
LOCK & DAM 5	***											
UPBOUND STATISTICS	203	331	7	541	821	3	824	220	218	3	441	2
DNBOUND STATISTICS	201	325	4	530	16	791	807	219	213	3	435	342
TOTAL	404	656	11	1071	837	794	1631	439	431	6	876	344
LOCK & DAM 6	***											
UPBOUND STATISTICS	197	148	12	357	784	13	797	226	123	2	351	6
DNBOUND STATISTICS	196	143	11	350	15	762	781	223	121	2	347	330
TOTAL	393	291	23	707	803	775	1578	449	244	5	698	336

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER		MONTHLY REPORT 4/85 5/85 6/85								
RIVER/LOCK NAME	TONS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGS TOTAL	LONGES COMMER	LONGES RECRTN	LONGES OTHER	TOTAL	TONNAGE TENS
ALLEGHENY RIVER												
LOCK & DAM 7	XXX											
UPBOUND STATISTICS	12	140	2	154	32	0	32	15	79	0	97	0
DNBOUND STATISTICS	10	135	3	148	2	23	25	14	89	0	106	14
TOTAL	22	275	5	302	34	23	57	29	168	6	203	14
LOCK & DAM 8	XXX											
UPBOUND STATISTICS	93	115	5	213	93	0	93	98	83	1	182	0
DNBOUND STATISTICS	90	116	8	214	0	90	90	98	85	1	184	141
TOTAL	183	231	13	427	93	90	183	196	168	2	366	141
LOCK & DAM 9	XXX ONLY SECOND AND THIRD MONTHS REPORTED											
UPBOUND STATISTICS	0	125	0	125	0	0	0	0	66	0	66	0
DNBOUND STATISTICS	0	120	0	120	0	0	0	0	70	0	70	0
TOTAL	0	245	0	245	0	0	0	0	136	0	136	0
MONONGAHELA RIVER												
LOCK & DAM 1	XXX											
UPBOUND STATISTICS	528	0	2	530	2115	1392	3507	591	0	2	593	1801
DNBOUND STATISTICS	525	0	4	529	939	2590	3529	574	0	1	575	2645
TOTAL	1053	0	6	1059	3054	3982	7036	1165	0	3	1168	4447
LOCK & DAM 2 AUX 1	XXX											
UPBOUND STATISTICS	173	250	66	489	95	189	284	240	177	6	423	141
DNBOUND STATISTICS	147	238	93	478	157	75	232	245	164	5	414	83
TOTAL	320	488	159	967	252	264	516	485	341	11	837	225

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER						MONTHS REPORTED				
								4/85	5/85		6/85	
RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LCKGES	LCKGES	LCKGES	LCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
MONONGAHELA RIVER												
LOCK & DAM 3	***											
UPBOUND STATISTICS	791	4	9	804	3516	515	4031	792	4	3	799	607
DNBOUND STATISTICS	822	2	9	833	293	3783	4076	827	0	0	827	3786
TOTAL	1613	6	18	1637	3809	4298	8107	1619	4	3	1626	4393
LOCK & DAM 3 AUXILIARY 1	***											
UPBOUND STATISTICS	160	172	187	519	204	61	265	337	114	6	457	64
DNBOUND STATISTICS	146	160	153	459	55	156	211	295	117	3	415	161
TOTAL	306	332	340	978	259	217	476	632	231	9	872	226
LOCK & DAM 4	***											
UPBOUND STATISTICS	631	0	3	634	3291	411	3702	684	0	2	686	432
DNBOUND STATISTICS	657	0	1	658	206	3575	3781	713	0	2	715	3524
TOTAL	1288	0	4	1292	3497	3986	7483	1397	0	4	1401	3957
LOCK & DAM 4 AUXILIARY 1	***											
UPBOUND STATISTICS	68	128	57	253	152	33	185	133	102	6	241	26
DNBOUND STATISTICS	65	219	165	449	42	163	205	146	110	4	260	158
TOTAL	133	347	222	702	194	196	390	279	212	10	501	185
MAXWELL LOCK & DAM	***											
UPBOUND STATISTICS	512	155	2	676	2697	292	2989	522	95	5	622	324
DNBOUND STATISTICS	145	159	9	313	51	731	782	154	102	4	260	714
TOTAL	657	314	18	989	2748	1023	3771	676	197	9	882	1039

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER					MONTHS REPORTED						
							4/85		5/85		6/85		
RIVER/LOCK NAME		TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)													
MONONGAHELA RIVER													
MAXWELL LOCK & DAM AUX 1		xxx											
UPBOUND STATISTICS		124	145	5	274	640	57	697	128	64	1	193	61
DNBOUND STATISTICS		500	162	5	667	120	2865	2985	504	80	1	585	2818
TOTAL		624	307	10	941	760	2922	3682	632	144	2	778	2880
LOCK & DAM 7		xxx											
UPBOUND STATISTICS		546	27	35	608	2154	319	2473	1011	35	8	1054	365
DNBOUND STATISTICS		554	28	33	615	163	2387	2550	1052	36	7	1095	2294
TOTAL		1100	55	68	1223	2317	2706	5023	2063	71	15	2149	2659
LOCK & DAM 8		xxx											
UPBOUND STATISTICS		467	21	29	517	1733	322	2055	848	32	13	893	367
DNBOUND STATISTICS		470	22	31	523	169	1948	2117	874	29	12	915	1872
TOTAL		937	43	60	1040	1902	2270	4172	1722	61	25	1808	2239
MORGANTOWN LOCK & DAM		xxx											
UPBOUND STATISTICS		94	72	12	178	402	1	403	110	58	4	172	2
DNBOUND STATISTICS		94	69	12	175	3	398	401	109	58	4	171	398
TOTAL		188	141	24	353	405	399	804	219	116	8	343	400
HILDEBRAND LOCK & DAM		xxx											
UPBOUND STATISTICS		49	33	5	87	187	6	193	54	27	3	84	6
DNBOUND STATISTICS		46	28	7	81	3	174	177	52	22	3	77	191
TOTAL		95	61	12	168	190	180	370	106	49	6	161	198

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER		MONTHS REPORTED 4 1985 5 1985 6 1985								
RIVER/LOCK NAME	TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGS TOTAL	LOCKES COMMER	LOCKES RECRTN	LOCKES OTHER	LOCKES TOTAL (NAV, DPN, ETC)	TONNAGE (KTONS)
MONONGAHELA RIVER												
OPEKISKA LOCK & DAM	xxx											
UPBOUND STATISTICS	16	66	3	85	46	0	46	19	48	3	75	0
DNBOUND STATISTICS	17	71	3	91	1	40	41	20	60	10	90	43
TOTAL	33	137	6	176	47	40	87	39	108	13	165	43
OHIO RIVER												
EMSWORTH LOCK & DAM	xxx											
UPBOUND STATISTICS	567	16	15	598	1411	2320	3731	672	2	4	678	2764
DNBOUND STATISTICS	555	12	13	580	1653	2004	3657	655	3	2	660	2171
TOTAL	1122	28	28	1178	3064	4324	7388	1327	5	6	1338	4936
EMSWORTH LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	157	416	72	645	107	119	226	280	230	14	524	126
DNBOUND STATISTICS	147	426	97	670	145	60	205	298	247	11	556	65
TOTAL	304	842	169	1315	252	179	431	578	477	25	1080	191
DASHIELDS LOCK & DAM	xxx											
UPBOUND STATISTICS	473	0	8	481	1234	2278	3512	566	0	1	567	2650
DNBOUND STATISTICS	472	0	6	478	1663	1793	3446	546	0	1	547	1947
TOTAL	945	0	14	959	2897	4061	6958	1112	0	2	1114	4597
DASHIELDS LOCK & DAM AUX 1	xxx											
UPBOUND STATISTICS	196	236	77	509	247	345	592	402	240	11	653	407
DNBOUND STATISTICS	173	236	104	513	260	290	550	405	225	9	639	311
TOTAL	369	472	181	1022	507	635	1142	807	465	20	1292	719

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

ERDC #	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED											
			4/85			5/85			6/85					
RIVER/LOCK NAME			TOWS	VESSL RECEIVED	VESSL OTHER	VESSL TOTAL	BARGES EMPTY	BARGES FULL	BARGES TOTAL	LOCKGES COMMER	LOCKGES RECEIVED	LOCKGES OTHER	LOCKGES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)														
OHIO RIVER														
MONTGOMERY LOCK & DAM			***											
UPBOUND STATISTICS			540	7	37	584	1239	2710	3949	594	3	3	700	3307
DNBOUND STATISTICS			537	7	39	583	2000	1898	3907	639	7	1	697	2194
TOTAL			1077	14	76	1167	3248	4608	7856	1233	10	4	1397	5502
MONTGOMERY LOCK & DAM AUX 1			***											
UPBOUND STATISTICS			47	200	55	304	39	11	50	111	118	1	230	16
DNBOUND STATISTICS			37	216	74	327	25	18	43	115	129	4	248	19
TOTAL			84	416	129	631	64	29	93	226	247	5	478	36
NEW CUMBERLAND LOCK & DAM			***											
UPBOUND STATISTICS			350	1	3	353	336	3283	3619	351	0	2	353	4457
DNBOUND STATISTICS			317	2	3	322	2347	1065	3412	312	1	0	319	1317
TOTAL			667	3	6	675	2683	4348	7031	663	1	2	672	5774
NEW CUMBERLAND LOCK & DAM AUX 1			***											
UPBOUND STATISTICS			169	206	40	415	225	408	634	211	115	5	331	507
DNBOUND STATISTICS			211	244	32	487	557	267	824	250	122	6	378	315
TOTAL			380	450	72	902	783	675	1458	461	237	11	709	823
PIKE ISLAND LOCK & DAM			***											
UPBOUND STATISTICS			403	11	14	428	299	4085	4384	412	8	1	421	5687
DNBOUND STATISTICS			392	12	6	410	2922	1451	4373	395	8	0	403	1852
TOTAL			795	23	20	838	3221	5536	8757	807	16	1	824	7540

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC HA	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER		MONTHS REPORTED									
					4/85	5/85	6/85						
RIVER/LOCK NAME	TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)	
(NAV, OPN, ETC)													
OHIO RIVER													
PIKE ISLAND LOCK & DAM AUX 1	xxx												
UPBOUND STATISTICS	98	81	44	223	218	113	331	150	54	2	216	132	
DNBOUND STATISTICS	131	99	42	272	221	139	360	179	78	3	260	146	
TOTAL	229	180	86	495	439	252	691	329	142	5	476	279	
HANNIBAL LOCKS & DAM	xxx												
UPBOUND STATISTICS	363	5	4	372	685	3577	4262	365	5	1	371	4936	
DNBOUND STATISTICS	350	2	0	352	2011	2156	4167	350	2	3	355	2947	
TOTAL	713	7	4	724	2696	5733	8429	715	7	4	726	7883	
HANNIBAL LOCKS & DAM AUX 1	xxx												
UPBOUND STATISTICS	47	30	6	83	103	68	171	53	25	3	86	67	
DNBOUND STATISTICS	63	36	9	108	123	84	207	72	30	6	108	77	
TOTAL	110	66	15	191	226	152	378	125	55	14	194	145	

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH			DIVISION NAME OHIO RIVER			MONTHS REPORTED 4/855/856/85																					
APPROACH			LOCK PROCESSING TIME (MIN.)			ENTRY			CHAMBER			EXIT			: DELAYED	DELAY	DELAY	DELAY										
															: VESSELS	TIME	AVG	MAX										
MIN AVG MAX			MIN AVG MAX			MIN AVG MAX			MIN AVG MAX			MIN AVG MAX			:	TOWS	TOWS	(ALL VSLs)										

ALLEGHENY RIVER																												
LOCK & DAM 2			1	4	33	1	4	20	5	7	37	1	5	36	169	5385	10.2	304										
LOCK & DAM 3			1	5	45	1	4	29	5	7	17	1	4	37	138	4872	9.3	180										
LOCK & DAM 4			1	5	30	1	4	21	5	7	20	1	5	35	110	2752	4.9	111										
LOCK & DAM 5			1	3	15	1	2	10	5	8	20	1	3	13	44	494	1.2	58										
LOCK & DAM 6			1	4	10	2	4	10	8	8	10	2	4	10	38	476	1.2	65										
LOCK & DAM 7			3	4	13	2	3	5	6	7	10	1	3	10	1	13	0.5	29										
LOCK & DAM 8			1	4	14	2	3	5	5	7	8	2	3	5	2	21	0.1	22										
LOCK & DAM 9			1	2	5	1	1	10	9	10	14	1	1	10	0	0	0.0	13										
MONONGAHELA RIVER																												
LOCK & DAM 1			1	12	53	1	6	38	5	11	48	1	8	60	375	17308	16.4	331										

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH			DIVISION NAME OHIO RIVER			MONTHS REPORTED 4/85 5/85 6/85										LOCK PROCESSING TIME (MIN.)				: DELAYED : VESSELS	DELAY TIME TOWS	DELA: AVG TOWS	DELAY MAX CALL VELS		
																	APPROACH	ENTRY	CHAMBER						EXIT	
MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX															
MONONGAHELA RIVER																										
LOCK & DAM 2 AUX 1	1	7	53	1	2	17	5	6	16	1	2	10	31	418	1.3	135										
LOCK & DAM 3	1	10	38	2	5	20	6	9	20	2	6	35	722	25664	15.9	675										
LOCK & DAM 3 AUXILIARY 1	1	6	33	1	2	11	5	8	18	1	2	22	30	1363	4.2	310										
LOCK & DAM 4	1	11	52	1	6	20	5	10	27	2	5	33	483	18752	14.5	237										
LOCK & DAM 4 AUXILIARY 1	1	9	63	1	3	20	5	9	19	1	4	58	35	11757	28.3	949										
MAXWELL LOCK & DAM	1	8	28	1	6	21	5	10	23	1	7	23	83	1200	1.8	56										
MAXWELL LOCK & DAM AUX 1	1	11	40	1	7	23	7	11	40	1	8	26	59	906	1.4	45										
LOCK & DAM 7	1	5	47	1	5	31	5	6	26	1	9	54	506	32806	29.6	1124										
LOCK & DAM 8	1	5	57	1	4	23	5	6	40	1	10	60	361	29386	21.3	2325										
MORGANTOWN LOCK & DAM	1	5	10	4	5	15	5	10	20	5	5	10	4	63	0.3	28										

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

OEROO H4	DISTRICT NAME PITTSBURGH	DIVISION NAME OHIO RIVER	MONTHS REPORTED												6/85	
			4/85													
			5/85													
			6/85													
												DELATED	DELAY	DELAY	DELAY	
												VESSELS	TIME	AVG	MAX	
												TOWS	TOWS	(ALL VSLS)		
MONONGAHELA RIVER																
WILDEBRAND LOCK & DAM																
DREHISKA LOCK & DAM																
OHIO RIVER																
EMSWORTH LOCK & DAM																
EMSWORTH LOCK & DAM AUX 1																
DASHIELDS LOCK & DAM																
DASHIELDS LOCK & DAM AUX 1																
MONTGOMERY LOCK & DAM																
MONTGOMERY LOCK & DAM AUX 1																

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC H4	DISTRICT NAME PITTSBURGH			DIVISION NAME OHIO RIVER			MONTHS REPORTED																			
							4/85				5/85				6/85											
	APPROACH			LOCK PROCESSING TIME (MIN.)									: DELAYED : VESSELS	DELAY TIME TOWS	DELAY AVG TOWS	DELAY MAX (ALL USLS)										
				ENTRY			CHAMBER			EXIT																
MIN			AVG			MAX			MIN			AVG			MAX			MIN			AVG			MAX		
OHIO RIVER																										
NEW CUMBERLAND LOCK & DAM			2	20	60	1	7	32	5	14	42	2	12	51	168	6773	10.1	240								
NEW CUMBERLAND LOCK & DAM AUX			1	12	98	1	3	27	5	10	47	1	9	46	84	10550	27.7	642								
PIKE ISLAND LOCK & DAM			1	14	59	1	11	33	5	15	41	1	10	27	256	10322	11.9	131								
PIKE ISLAND LOCK & DAM AUX 1			1	9	59	1	4	24	6	14	28	1	7	21	24	503	2.1	49								
HANNIBAL LOCKS & DAM			1	16	57	1	10	47	6	15	36	4	11	45	202	8262	11.5	262								
HANNIBAL LOCKS & DAM AUX 1			1	12	40	1	5	12	10	14	26	1	8	23	8	134	1.2	33								

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC #2	DISTRICT NAME JACKSONVILLE	DIVISION NAME SOUTH ATLANTIC	MONTHS REPORTED		
			4/85	5/85	6/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
CROSS FLA BRG CNL	11-HENRY HOLLAND BUCKMAN LOCK	0600/0084/ 15.0
	12-EUREKA LOCK	0600/0084/ 15.0
	13-INGLIS LOCK	0600/0084/ 15.0
CANAVERAL HARBOR	21-CANAVERAL LOCK	0600/0090/ 15.0
KEECHOBEE WATSWAY	01-ST LUCIE LOCK & DAM	0250/0050/ 14.0
	02-MOORE HAVEN LOCK	0250/0050/ 11.0
	03-ORTONA LOCK & DAM	0250/0050/ 12.0
	04-W P FRANKLIN LCK & CTRL STRCT	0400/0056/ 14.0
	05-PORT MAYACA LOCK	0400/0056/ 14.0
OKLAHAMA RIVER	01-ROSE BLUFF LOCK & DAM	0156/0030/555.0

NO DATA RECORDED ON SUMMARY FILE FOR THIS PERIOD

NO DATA RECORDED ON LOCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC KS	DISTRICT NAME MOBILE	DIVISION NAME SOUTH ATLANTIC	MONTHS REPORTED		
			4/85	5/85	6/85
RIVER	LCODE-LOCK NAME		LEN/WID/DRAFT (FT/FT/FT)		
ALABAMA-COOSA RIVERS	11-CLAIBORNE LOCK & DAM		0600/0084/	12.0	
	12-MILLERS FERRY LOCK & DAM		0600/0084/	12.0	
	13-JONES BLUFF LOCK & DAM		0600/0084/	12.0	
APLCH/CHTCH/FLNT RI	21-JIM WOODRUFF LOCK & DAM		0450/0082/	12.0	
	22-GEORGE W ANDREWS LOCK & DAM		0450/0082/	12.0	
	23-WALTER F GEORGE LOCK & DAM		0450/0082/	12.0	
BLKWAR/TOMBIGBEE RI	01-COFFEEVILLE LOCK		0600/0110/	12.0	
	02-DEMOPOLIS LOCK & DAM		0600/0110/	12.0	
	03-WARRIOR LOCK & DAM		0600/0110/	12.0	
	04-WILLIAM BACON OLIVER LK & DM		0460/0095/	12.0	
	05-HOLT LOCK & DAM		0600/0110/	12.0	
	06-JOHN HOLLIS BANKHEAD LK & DM		0600/0110/	12.0	
PEARL RIVER	31-LOCK 1		0310/0065/	9.0	
	32-LOCK 2		0310/0065/	9.0	
	33-LOCK 3		0310/0065/	9.0	
TENN TOMBIGBEE WATERWAY	41-GAINESVILLE LOCK & DAM		0600/0110/	12.0	
	42-ALICEVILLE LOCK & DAM		0600/0110/	12.0	
	43-COLUMBUS LOCK & DAM		0600/0110/	12.0	
	44-ABERDEEN LOCK & DAM		0600/0110/	12.0	
	45-LOCK A		0600/0110/	12.0	
	46-LOCK B		0600/0110/	12.0	
	47-LOCK C		0600/0110/	12.0	
	48-LOCK D		0600/0110/	12.0	
	49-LOCK E		0600/0110/	12.0	
	50-BAY SPRINGS		0600/0110/	12.0	

NO DATA RECORDED ON SUMMARY FILE FOR THIS PERIOD
NO DATA RECORDED ON LOCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

ERDC No	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
	SAVANNAH	SOUTH ATLANTIC	4/85	5/85	6/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
SAVANNAH RIVER	01-NEW SAVANNAH BLUFF LOCK & DAM	0360/0056/ 12.0

NO DATA RECORDED ON SUMMARY FILE FOR THIS PERIOD

NO DATA RECORDED ON LOCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
K7	WILMINGTON	SOUTH ATLANTIC	4/85	5/85	6/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
CAPE FEAR RIVER	01-LOCK & DAM 1	0200/0040/ 10.0
	02-LOCK & DAM 2	0200/0040/ 10.0
	03-WILLIAM O HUSKE LOCK & DAM	0300/0040/ 10.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC K7	DISTRICT NAME WILMINGTON	DIVISION NAME SOUTH ATLANTIC						MONTHS REPORTED					
								4/85		5/85		6/85	
RIVER/LOCK NAME		TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)													
CAPE FEAR RIVER													
LOCK & DAM 1		xxx											
UPBOUND STATISTICS		22	10	0	32	0	22	22	41	7	1	49	21
DNBOUND STATISTICS		22	20	0	42	21	1	22	39	13	1	53	1
TOTAL		44	30	0	74	21	23	44	80	20	2	102	22
LOCK & DAM 2		xxx											
UPBOUND STATISTICS		21	7	1	29	0	21	21	41	5	0	46	21
DNBOUND STATISTICS		22	15	1	38	22	0	22	41	10	0	51	0
TOTAL		43	22	2	67	22	21	43	82	15	0	97	21
WILLIAM O HUSKE LOCK & DAM		xxx											
UPBOUND STATISTICS		21	9	0	30	0	21	21	21	4	1	26	20
DNBOUND STATISTICS		23	17	0	40	22	1	23	23	7	1	31	1
TOTAL		44	26	0	70	22	22	44	44	11	2	57	21

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

ERDC #7	DISTRICT NAME WILMINGTON	DIVISION NAME SOUTH ATLANTIC	MONTHS REPORTED															
			4/85				5/85				6/85							
APPROACH			LOCK PROCESSING TIME (MIN.)									DELATED	DELAY	DELAY	DELAY			
			ENTRY			CHAMBER			EXIT			VESSELS	TIME	AUG	MAX			
MIN AUG MAX			MIN	AUG	MAX	MIN	AUG	MAX	MIN	AUG	MAX		TOWS	TOWS	(ALL USLS)			
CAPE FEAR RIVER																		
LOCK & DAM 1			4	4	5	5	5	10	5	12	15	4	5	10	1	5	0.1	5
LOCK & DAM 2			5	5	10	5	5	10	5	13	25	5	5	25	40	200	4.0	10
WILLIAM O HUSKE LOCK & DAM			5	5	5	5	5	5	25	25	40	5	5	5	7	35	0.7	5

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
L2	SACRAMENTO	SOUTH PACIFIC	4/85	5/85	6/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
SCRMNTD QWSHP CHNL	01-BARGE CANAL LOCK	0640/0086/ 23.0

NO DATA RECORDED ON SUMMARY FILE FOR THIS PERIOD

NO DATA RECORDED ON LOCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
M3	GALVESTON	SOUTHWESTERN	4/85	5/85	6/85
RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)			
GULF INTRACOASTAL	11-COLORADO RIVER EAST LOCK	1200/0075/ 15.0			
	12-COLORADO RIVER WEST LOCK	1200/0075/ 15.0			
	13-BRAZOS EAST GATE	9999/0075/ 15.0			
	14-BRAZOS WEST GATE	9999/0075/ 15.0			

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME		MONTHS REPORTED								
M3	GALVESTON	SOUTHWESTERN		4/85	5/85	6/85						
RIVER/LOCK NAME	TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)												
GULF INTRACOASTAL												
COLORADO RIVER EAST LOCK	xxx											
UPBOUND STATISTICS	956	1878	242	3076	460	1567	2027	210	0	911	1121	3350
DNBOUND STATISTICS	1068	1838	130	3036	1592	594	2186	113	0	1011	1124	1043
TOTAL	2024	3716	372	6112	2052	2161	4213	323	0	1922	2245	4393
COLORADO RIVER WEST LOCK	xxx											
UPBOUND STATISTICS	902	1958	208	3068	423	1536	1959	35	0	1034	1069	3287
DNBOUND STATISTICS	1007	2600	119	3726	1528	533	2061	27	1	1053	1081	967
TOTAL	1909	4558	327	6794	1951	2069	4020	62	1	2087	2150	4255
BRAZOS EAST GATE	xxx											
UPBOUND STATISTICS	1029	511	317	1857	482	1601	2083	3	0	1112	1115	3202
DNBOUND STATISTICS	1178	566	257	2001	1658	639	2297	2	0	1226	1228	1059
TOTAL	2207	1077	574	3858	2140	2240	4380	5	0	2338	2343	4262
BRAZOS WEST GATE	xxx											
UPBOUND STATISTICS	1011	501	237	1749	454	1607	2061	4	0	1059	1063	3194
DNBOUND STATISTICS	1133	447	236	1816	1668	580	2248	1	0	1159	1160	993
TOTAL	2144	948	473	3565	2122	2187	4309	5	0	2218	2223	4188

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 4/85 THROUGH 6/85
 INSTITUTE FOR WATER RESOURCES

EROC N3	DISTRICT NAME GALVESTON			DIVISION NAME SOUTHWESTERN			MONTHS REPORTED 4/85 5/85 6/85											
LOCK PROCESSING TIME (MIN.)																		
APPROACH			ENTRY			CHAMBER			EXIT			:	DELAYED	DELAY	DELAY	DELAY		
												:	VESSELS	TIME	AVG	MAX		
MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	MIN	AVG	MAX	:	TOWS	TOWS	(ALL USLS)
GULF INTRACOASTAL																		
COLORADO RIVER EAST LOCK																		
COLORADO RIVER WEST LOCK																		
BRAZOS EAST GATE																		
BRAZOS WEST GATE																		

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

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EFDC #4	DISTRICT NAME LITTLE ROCK	DIVISION NAME SOUTHWESTERN	MONTHS REPORTED		
			4/85	5/85	6/85
RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)			
ARKANSAS RIVER	01-NORRELL LOCK & DAM	0600/0110/ 12.0			
	02-LOCK & DAM 2	0600/0110/ 12.0			
	03-LOCK & DAM 3	0600/0110/ 12.0			
	04-LOCK & DAM 4	0600/0110/ 12.0			
	05-LOCK & DAM 5	0600/0110/ 12.0			
	06-DAVID O TERRY LOCK & DAM	0600/0110/ 12.0			
	07-MURRAY LOCK & DAM	0600/0110/ 12.0			
	08-TOAD SUCK FERRY LOCK & DAM	0600/0110/ 12.0			
	09-LOCK & DAM 9	0600/0110/ 12.0			
	10-DARDANELLE LOCK & DAM	0600/0110/ 12.0			
	11-OZARK LOCK & DAM	0600/0110/ 12.0			
	13-LOCK & DAM 13	0600/0110/ 12.0			

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC M4	DISTRICT NAME LITTLE ROCK	DIVISION NAME SOUTHWESTERN	MONTHS REPORTED									
			4/85		5/85		6/85					
RIVER/LOCK NAME	TOWS	VESSL	VESSL	VESSL	BARGS	BARGS	BARGES	LOCKGES	LOCKGES	LOCKGES	LOCKGES	TONNAGE (KTONS)
		RECRTN	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	RECRTN	OTHER	TOTAL	
(NAV, OPN, ETC)												
ARKANSAS RIVER												
NORRELL LOCK & DAM	xxx											
UPBOUND STATISTICS	146	36	20	202	232	463	695	65	31	115	211	660
DNBOUND STATISTICS	146	42	21	209	194	482	676	65	41	117	223	611
TOTAL	292	78	41	411	426	945	1371	130	72	232	434	1271
LOCK & DAM 2	xxx											
UPBOUND STATISTICS	145	42	18	205	232	456	688	161	35	17	213	661
DNBOUND STATISTICS	147	48	19	214	201	491	692	166	37	18	221	608
TOTAL	292	90	37	419	433	947	1380	327	72	35	434	1269
LOCK & DAM 3	xxx											
UPBOUND STATISTICS	137	76	8	221	202	457	659	142	53	52	247	657
DNBOUND STATISTICS	130	77	12	219	194	459	653	136	58	59	253	581
TOTAL	267	153	20	440	396	916	1312	278	111	111	500	1238
LOCK & DAM 4	xxx											
UPBOUND STATISTICS	135	40	3	178	195	454	649	138	33	32	203	646
DNBOUND STATISTICS	130	55	14	199	203	431	634	141	45	39	225	541
TOTAL	265	95	17	377	398	885	1283	279	78	71	428	1187
LOCK & DAM 5	xxx											
UPBOUND STATISTICS	110	99	6	215	95	298	493	116	87	29	232	560
DNBOUND STATISTICS	114	108	3	225	171	304	475	116	92	27	235	471
TOTAL	224	207	9	440	266	702	968	232	179	56	467	1031

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC #4	DISTRICT NAME LITTLE ROCK	DIVISION NAME SOUTHWESTERN	MONTHS REPORTED										
			4/85			5/85			6/85				
RIVER/LOCK NAME		TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL	TONNAGE (KTONS)
(NAV, OPN, ETC)													
ARKANSAS RIVER													
DAVID D TERRY LOCK & DAM		***											
UPBOUND STATISTICS		114	241	5	360	97	397	494	119	180	14	313	560
DNBOUND STATISTICS		113	265	9	387	172	302	474	117	198	13	328	473
TOTAL		227	506	14	747	269	699	968	236	378	27	641	1034
MURRAY LOCK & DAM		***											
UPBOUND STATISTICS		98	420	8	526	104	321	425	107	240	9	356	456
DNBOUND STATISTICS		97	429	9	535	138	263	401	105	248	11	364	416
TOTAL		195	849	17	1061	242	584	826	212	488	20	720	873
TOAD SUCK FERRY LOCK & DAM		***											
UPBOUND STATISTICS		93	42	4	139	104	317	421	96	20	10	126	445
DNBOUND STATISTICS		93	51	3	147	140	258	398	95	32	11	138	418
TOTAL		186	93	7	286	244	575	819	191	52	21	264	864
LOCK & DAM 9		***											
UPBOUND STATISTICS		88	41	1	131	103	302	405	90	19	13	122	425
DNBOUND STATISTICS		90	45	1	136	128	258	386	90	29	13	132	410
TOTAL		178	87	2	267	231	560	791	180	48	26	254	836
DARDANELLE LOCK & DAM		***											
UPBOUND STATISTICS		109	64	9	182	121	304	425	117	41	11	169	433
DNBOUND STATISTICS		110	76	6	192	125	274	399	115	52	11	178	460
TOTAL		219	140	15	374	246	578	824	232	93	22	347	893

TABLE C

PERFORMANCE AND TONNAGE SYSTEM - THE QUARTERLY REPORT
 FOR THE PERIOD JAN. THROUGH 3/85
 INSTITUTE FOR WATER RESOURCES

ERDC #4	DISTRICT NAME LITTLE ROCK	DIVISION NAME SOUTHWESTERN	MONTHS REPORTED										
			4/85		5/85		6/85						
RIVER/LOCK NAME	TOWS	VESSEL	VESSEL	VESSEL	BARGE	BARGE	BARGE	LONGER	LONGER	LONGER	LONGER	TONNAGE - TONS - NAVA, DANA, ETC.	
		REENTR	OTHER	TOTAL	EMPTY	FULL	TOTAL	COMMER	REENTR	OTHER	TOTAL		
ARIZONA RIVER													
DZARK LOCK & DAM													
UPBOUND STATISTICS	93	79	0	161	194	273	377	93	55	11	148	394	
DNBOUND STATISTICS	81	84	0	165	111	257	368	80	57	11	151	400	
TOTAL	164	162	0	326	215	530	745	173	112	21	299	797	
LOCK & DAM 13													
UPBOUND STATISTICS	125	183	9	317	101	344	445	121	75	20	216	432	
DNBOUND STATISTICS	101	150	8	259	151	250	403	127	75	22	224	404	
TOTAL	226	333	17	576	252	594	848	248	150	42	440	836	

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PERFORMANCE MONITORING SYSTEM SUMMARY OF LOCK
STATISTICS FOR APRIL - JUNE 1985(U) CORPS OF ENGINEERS
FORT BELVOIR VA WATER RESOURCES SUPPORT CENTER

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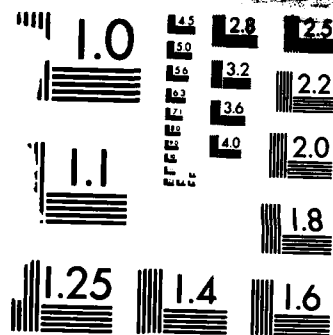
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

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ERO #4	DISTRICT NAME LITTLE ROCK		DIVISION NAME SOUTHWESTERN		INSTITUTE FOR WATER RESOURCES												MONTHS REPORTED			
					4/85						5/85						6/85			
ENTRY			CHAMBER			EXIT			: VESSELS			TIME		AVG		MAX				
MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	TONS	TONS	(ALL USLS)			
APPROACH FILER																				
MURRELL LOCK & DAM			1	6	28	1	5	27	1	5	15	1	5	30	5	145	0.4	50		
LOCK & DAM 2			1	9	70	1	9	90	5	10	25	1	9	50	35	1133	3.8	238		
LOCK & DAM 3			1	7	90	1	6	28	5	8	40	1	9	40	24	841	3.1	102		
LOCK & DAM 4			1	8	47	1	6	35	5	9	35	1	8	38	44	1054	3.9	103		
LOCK & DAM 5			1	7	27	1	6	44	5	9	30	1	8	38	57	619	3.6	63		
DAVID D. TERRY LOCK & DAM			1	8	53	1	5	34	5	9	25	1	6	57	33	837	3.6	68		
MURRAY LOCK & DAM			1	5	105	1	4	36	5	9	34	1	5	41	34	709	3.6	95		
TOAD SUCK FERRY LOCK & DAM			1	8	43	1	8	25	5	8	36	1	8	35	44	596	3.2	45		
LOCK & DAM 2			1	11	35	1	8	29	5	11	40	1	8	34	15	259	1.4	50		
BARDANELLE LOCK & DAM			1	10	44	1	6	31	5	12	27	1	7	38	186	1396	6.3	57		

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC	DISTRICT NAME	DIVISION NAME	MONTHS REPORTED		
M5	TULSA	SOUTHWESTERN	4/85	5/85	6/85

RIVER	LCODE-LOCK NAME	LEN/WID/DRAFT (FT/FT/FT)
ARKANSAS RIVER	21-W D MAYO LOCK & DAM	0600/0110/ 14.0
	22-ROBERT S KERR LOCK & DAM & RES	0600/0110/ 14.0
	23-WEBBERS FALLS LOCK & DAM	0600/0110/ 14.0
	24-CHOUTEAU LOCK & DAM	0600/0110/ 14.0
	25-NEWT GRAHAM LOCK & DAM	0600/0110/ 14.0

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

EROC MS	DISTRICT NAME TULSA	DIVISION NAME SOUTHWESTERN						MONTHS REPORTED					
								4/85		5/85		6/85	
RIVER/LOCK NAME		TOWS	VESSL RECRTN	VESSL OTHER	VESSL TOTAL	BARGS EMPTY	BARGS FULL	BARGES TOTAL	LCKGES COMMER	LCKGES RECRTN	LCKGES OTHER	LCKGES TOTAL (NAV, OPN, ETC)	TONNAGE (KTONS)

ARKANSAS RIVER													
W D MAYO LOCK & DAM		XXX											
UPBOUND STATISTICS		88	153	7	248	130	211	341	91	53	7	151	310
DNBOUND STATISTICS		89	171	14	274	83	262	345	94	60	7	161	402
TOTAL		177	324	21	522	213	473	686	185	113	14	312	712
ROBERT S KERR LOCK & DAM & RES		XXX											
UPBOUND STATISTICS		90	107	4	201	132	213	345	93	76	6	175	317
DNBOUND STATISTICS		89	118	10	217	83	267	350	95	86	9	190	411
TOTAL		179	225	14	418	215	480	695	188	162	15	365	728
WEBBERS FALLS LOCK & DAM		XXX											
UPBOUND STATISTICS		71	61	2	134	51	211	262	71	50	5	126	314
DNBOUND STATISTICS		67	62	8	137	109	145	254	73	52	6	131	251
TOTAL		138	123	10	271	160	356	516	144	102	11	257	565
CHOUTEAU LOCK & DAM		XXX											
UPBOUND STATISTICS		70	32	4	106	49	178	227	75	27	4	106	250
DNBOUND STATISTICS		66	37	8	111	87	128	215	74	34	3	111	219
TOTAL		136	69	12	217	136	306	442	149	61	7	217	469
NEWT GRAHAM LOCK & DAM		XXX											
UPBOUND STATISTICS		70	20	5	95	49	179	228	74	18	3	95	252
DNBOUND STATISTICS		66	26	9	101	86	128	214	74	23	3	100	219
TOTAL		136	46	14	196	135	307	442	148	41	6	195	471

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 4/85 THROUGH 6/85
INSTITUTE FOR WATER RESOURCES

ERO MS	DISTRICT NAME TULSA	INSTITUTE FOR WATER RESOURCES												MONTHS REPORTED											
		DIVISION NAME SOUTHWESTERN												4/85				5/85				6/85			
														LOCK PROCESSING TIME (MIN.)				:	DELAYED	DELAY	DELAY	DELAY			
												ENTRY				CHAMBER				EXIT	:	VESSELS	TIME	AVG	MAX
												MIN				AVG				MAX	:		TOWS	TOWS	(ALL USLS)

ARKANSAS RIVER																									
W D MAYO LOCK & DAM																									
ROBERT S KERR LOCK & DAM &RE																									
WEBBERS FALLS LOCK & DAM																									
CHOUTEAU LOCK & DAM																									
NEWT GRAHAM LOCK & DAM																									

Appendix B

Glossary

Draft: This is not a physical lock dimension. It is compared with new data before it is added to the central library to ensure that vessel drafts are not recorded improperly.

Tows: Only tows with barges are included with this figure. Tows without barges (light boats) and other commercial vessels are counted as "other vessels."

Other vessels: All vessels other than tows with barges and recreational vessels.

Commercial lockages: The number of lockages for which the prime mover is a tow, a light boat, or another commercial vessel.

Recreational lockages: The number of lockages during which there are only recreational vessels using a lock.

Other lockages: The number of lockages during which the prime mover is a government vessel, a government contracted vessel (such as a dredge) or an unidentified type of vessel. Also included in this category are navigable and open pass lockages.

Total lockages: A lockage includes all lock activity necessary to process a tow and is counted only once when more than one vessel uses the lock. Thus, both cuts of a double cut lockage (e.g. only part of the tow will fit in the lock and it is necessary to process the tow in two pieces) count as a single lockage together and the count increases by only one when two tows are processed during a single lockage.

Processing time: Only the times needed to process tows with barges are included in these statistics.

Delayed vessels: Number of tows experiencing delay between arrival time and the time the lock is ready to process them.

Average delay: Average time of delay for all tows.

Maximum delay: Maximum delay time for vessels. This figure may reflect a single, extraordinary circumstance and should be evaluated accordingly.

DTIC

END

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